A Correlation of

Pearson Integrated CME Project
Mathematics I Common Core
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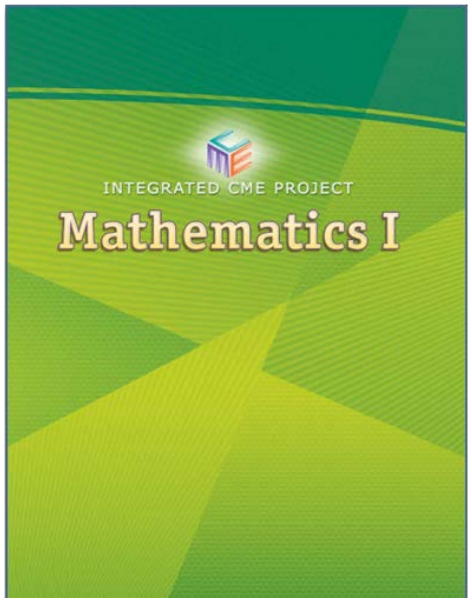

to the

California Common Core State Standards for Mathematics Standards Map Mathematics I

California Common Core State Standards for Mathematics
Standards Map

Mathematics I

★ *Indicates a modeling standard linking mathematics to everyday life, work, and decision-making*

		Publisher Citations	Meets Standard		For Reviewer Use Only
Standard No.	**Standard Language**[1]		**Y**	**N**	**Reviewer Notes**
	NUMBER AND QUANTITY				
Domain	**QUANTITIES**				
Cluster	**Reason quantitatively and use units to solve problems.** [Foundation for work with expressions, equations, and functions]				
N-Q 1.	Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays. ★	**SE/TE:** 174 (#3),175, 210, 211 (#2), 231 (#1), 232 (#10-11), 257 (#1), 253-256, 257 (#1), 258-260, 261 (#16), 292-293, 343 (#1-2), 368 (#1), 369, 370 (#6-10), 488-489, 491 (#1, 3-4), 492 (#6-8), 494 (#12), 524 (#6), 525 (#8-9), 540 (#5-6), 541 (#11), 542 (#12), 549 (#10-12)			
N-Q 2.	Define appropriate quantities for the purpose of descriptive modeling. ★	**SE/TE:** 253-256, 257 (#1), 258-261, 368 (#1), 369, 370 (#6-10), 536-538, 539-542, 543-545, 549 (#10-12)			

[1] For some standards that appear in multiple courses (e.g., Mathematics I and Mathematics II), some examples included in the language of the standard that did not apply to this standards map were removed.

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Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
N-Q 3.	Choose a level of accuracy appropriate to limitations on measurement when reporting quantities. ★	**SE/TE:** 488-490, 491-494, 495-499, 500-502, 503-506, 507-510, 511-514, 515-518, 519 (#12, 14-15), 523-524, 525 (#7-10), 528-531, 532-534, 535 (#10), 536-538, 539-541, 542 (#12), 543-545, 546-548, 549 (#9-10), 575, 576 (#11-13)			
	ALGEBRA				
Domain	**SEEING STRUCTURE IN EXPRESSIONS**				
Cluster	**Interpret the structure of expressions** [Linear, exponential, quadratic.]				
A-SSE 1a.	Interpret expressions that represent a quantity in terms of its context. Interpret parts of an expression, such as terms, factors, and coefficients. ★	For related content, please see: **SE/TE:** 104			
A-SSE 1b.	Interpret expressions that represent a quantity in terms of its context. Interpret complicated expressions by viewing one or more of their parts as a single entity. *For example, interpret* $P(1 + r)^n$ *as the product of P and a factor not depending on P*. ★	**SE/TE:** 103-105, 108 (#9-10), 113 (#5-7), 279-283			

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Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
Domain	**CREATING EQUATIONS**				
Cluster	**CREATE EQUATIONS THAT DESCRIBE NUMBERS OR RELATIONSHIPS. [LINEAR, QUADRATIC, AND EXPONENTIAL (INTEGER INPUTS ONLY); FOR A.CED.3 LINEAR ONLY.]**				
A-CED 1.	Create equations and inequalities in one variable **including ones with absolute value** and use them to solve problems*. Include equations arising from linear and quadratic functions, and simple rational and exponential functions.* ★**CA**	**SE/TE:** 136 (#9), 141 (#10), 159 (#1), 162-166, 167-171, 321 (#1-2), 322 (#8), 329, 331, 336 (#15), 366-370, 371 (#11, 13), 450 (#1-2), 451 (#3), 452 (#5, 8), 453 (#9), 454 (#11), 456 (#7), 525 (#10)			
A-CED 2.	Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. ★	**SE/TE:** 172-177, 178, 195-199, 200-207, 222 (#4-5), 240 (#16), 241 (#3-4)			
A-CED 3.	Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context. *For example, represent inequalities describing nutritional and cost constraints on combinations of different foods.* ★	**SE/TE:** 148-152, 172-177, 200-202, 203, 204 (#5-6), 265 (#11), 289-291, 292 (#1-2), 293 (#4-10), 304 (#1, 3), 305 (#4, 5), 306 (#9-10), 307 (#13), 311 (#10-12), 321, 322 (#8), 323 (#10-12), 329-332, 333 (#4-6), 334 (#10-11), 335			
A-CED 4.	Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations. *For example, rearrange Ohm's law V = IR to highlight resistance R.*★	**SE/TE:** 132 (#1), 172-177, 288 (#40-49)			

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Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
Domain	**REASONING WITH EQUATIONS AND INEQUALITIES**				
Cluster	**UNDERSTAND SOLVING EQUATIONS AS A PROCESS OF REASONING AND EXPLAIN THE REASONING. [MASTER LINEAR; LEARN AS GENERAL PRINCIPLE.]**				
A-REI 1.	Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.	**SE/TE:** 117-119, 120-125, 126-131, 132-133, 135-137, 138-142, 143-147, 148-152, 153-156, 157			
Cluster	**SOLVE EQUATIONS AND INEQUALITIES IN ONE VARIABLE.**				
A-REI 3.	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters. [Linear inequalities; literal equations that are linear in the variables being solved for; exponential of a form, such as $2^x = 1/16$.]	**SE/TE:** 117-119, 120-125, 126-131, 132-133, 135-137, 138-142, 143-147, 148-152, 153-156, 157, 167-171, 321, 322 (#6, 9), 323 (#11), 329-336			
A-REI 3.1	**Solve one-variable equations and inequalities involving absolute value, graphing the solutions and interpreting them in context. CA**	**SE/TE:** 238-240, 323, 331, 333			

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Cluster	**Solve systems of equations.** [Linear systems]				
A-REI 5.	Prove that, given a system of two equations in two variables, replacing one equation by the sum of that equation and a multiple of the other produces a system with the same solutions.	For related content, please see: **SE/TE:** 300-305, 307 (#11, 13), 313-318, 319			
A-REI 6.	Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.	**SE/TE:** 216 (#1-3), 217 (#7), 297, 299 (#9), 300-305, 307 (#11, 13), 311 (#12), 312 (#13), 313-318, 319			
Cluster	**Represent and solve equations and inequalities graphically.** [Linear and exponential; learn as general principle.]				
A-REI 10.	Understand that the graph of an equation in two variables is the set of all its solutions plotted in the coordinate plane, often forming a curve (which could be a line).	**SE/TE:** 187-188, 195-199, 200-207, 215-218, 222 (#5), 234-240, 241 (#3, 4), 392 (#8), 393 (#12), 395 (#17-18), 462-465, 466 (#9-10)			
A-REI 11.	Explain why the x-coordinates of the points where the graphs of the equations $y = f(x)$ and $y = g(x)$ intersect are the solutions of the equation $f(x) = g(x)$; find the solutions approximately, e.g., using technology to graph the functions, make tables of values, or find successive approximations. Include cases where $f(x)$ and/or $g(x)$ are linear, polynomial, rational, absolute value, exponential, and logarithmic functions. ★	**SE/TE:** 216 (#1), 217 (#6), 218 (#11), 219 (#3), 279 (#16), 300, 304 (#2), 305 (#5), 319 (#3), 321, 323 (#10, 13), 324-325, 328 (#9), 331-332, 333 (#3, 5-6), 334 (#10), 343 (#7), 393 (#12)			

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A-REI 12.	Graph the solutions to a linear inequality in two variables as a half-plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes.	**SE/TE:** 337-341, 342 (#1-3), 344 (#8, 12), 345-350, 351-354			
	FUNCTIONS				
Domain	**INTERPRETING FUNCTIONS**				
Cluster	**Understand the concept of a function and use function notation.** [Learn as general principle. Focus on linear and exponential (integer domains) and on arithmetic and geometric sequences.]				
F-IF 1.	**UNDERSTAND THAT A FUNCTION FROM ONE SET (CALLED THE DOMAIN) TO ANOTHER SET (CALLED THE RANGE) ASSIGNS TO EACH ELEMENT OF THE DOMAIN EXACTLY ONE ELEMENT OF THE RANGE. IF *F* IS A FUNCTION AND *X* IS AN ELEMENT OF ITS DOMAIN, THEN *F*(*X*) DENOTES THE OUTPUT OF *F* CORRESPONDING TO THE INPUT *X*. THE GRAPH OF *F* IS THE GRAPH OF THE EQUATION *Y* = *F*(*X*).**	**SE/TE:** 363-365, 372-377, 378-382, 383-384, 385 (#2, 4), 386 (#7), 388			

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F-IF 2.	Use function notation, evaluate functions for inputs in their domains, and interpret statements that use function notation in terms of a context.	**SE/TE:** 378-382, 383-386, 387-395, 427, 429 (#11), 431-439, 440-445, 452 (#5, 8), 454 (#11), 455 (#12-13), 466 (#7), 467 (#1)			
F-IF 3.	Recognize that sequences are functions, sometimes defined recursively, whose domain is a subset of the integers. *For example, the Fibonacci sequence is defined recursively by f(0) = f(1) = 1, f(n + 1) = f(n) + f(n − 1) for n ≥ 1.*	**SE/TE:** 429 (#12), 430 (#14-17), 431-434, 435 (#3), 436 (#4), 438 (#8, 11), 439 (#12-13), 447-454			
Cluster	**Interpret functions that arise in applications in terms of the context.** [Linear and exponential (linear domain)]				
F-IF 4.	For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship. *Key features include: intercepts; intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end behavior; and periodicity.*★	**SE/TE:** 231 (#6), 285 (#4-7), 383-386, 387-395, 428 (#10), 429-430, 440-446, 462-466, 628 (#11-14)			

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Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
F-IF 5.	Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes. *For example, if the function h gives the number of person-hours it takes to assemble n engines in a factory, then the positive integers would be an appropriate domain for the function.* ★	**SE/TE:** 428 (#10), 437 (#7), 438 (#10), 452 (#8), 454 (#11), 466 (#7)			
F-IF 6.	Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph. ★	**SE/TE:** 253-261, 529-531, 535 (#11)			
Cluster	**Analyze functions using different representations.** [Linear and exponential]				
F-IF 7a.	Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases. Graph linear and quadratic functions and show intercepts, maxima, and minima. ★	For related content, please see: **SE/TE:** 215, 217 (#6), 219 (#2-4), 222 (#5), 225-227, 231 (#2), 232 (#11, 13), 241 (#3-4), 283(#16-17), 284-285, 286 (#2-3), 288 (#28-29) 388-389, 391-392, 393 (#9), 395 (#17-18)			

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F-IF 7e.	Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases. Graph exponential and logarithmic functions, showing intercepts and end behavior, and trigonometric functions, showing period, midline, and amplitude. ★	**SE/TE:** 462-466			
F-IF 9.	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).	**SE/TE:** 385 (#4), 389, 390 (#1), 391 (#2-3), 392 (#6-7), 393 (#12), 394 (#13-15), 443 (#2), 445 (#8, 10-11), 446 (#14-15)			
Domain	**BUILDING FUNCTIONS**				
Cluster	**Build a function that models a relationship between two quantities.** [For F.BF.1, 2, linear and exponential (integer inputs)]				
F-BF 1a.	Write a function that describes a relationship between two quantities. Determine an explicit expression, a recursive process, or steps for calculation from a context. ★	**SE/TE:** 366-371, 372-377, 383-384, 385 (#4-5), 402-407, 408-412, 433, 435 (#2-3), 436, 437 (#7), 438-439, 440-446			

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F-BF 1b.	Write a function that describes a relationship between two quantities. Combine standard function types using arithmetic operations. *For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model.* ★	For related content, please see: **SE/TE:** 378-382			
F-BF 2.	Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms. ★	**SE/TE:** 432-435, 436, 438 (#11), 439, 440-442, 443-446, 453 (#9), 454 (#10)			
Cluster	**Build new functions from existing functions.** [Linear and exponential; focus on vertical translations for exponential.]				
F-BF 3.	Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $kf(x)$, $f(kx)$, and $f(x + k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. *Include recognizing even and odd functions from their graphs and algebraic expressions for them.*	**SE/TE:** 187, 188 (#9-12), 219 (#2-3), 222 (#4-6), 225-230, 232 (#12), 233 (#17-18), 234-238, 239 (#1-5, 7), 240 (#14, 16), 241 (#3), 382 (#12), 633-634, 635 (#3), 636 (#6)			

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Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
Domain	**LINEAR, QUADRATIC, AND EXPONENTIAL MODELS**				
Cluster	**Construct and compare linear, quadratic, and exponential models and solve problems.** [Linear and exponential]				
F-LE 1a.	Distinguish between situations that can be modeled with linear functions and with exponential functions. Prove that linear functions grow by equal differences over equal intervals, and that exponential functions grow by equal factors over equal intervals. ★	**SE/TE:** 427-428, 429 (#11-12), 431-434, 435-439, 445, 447-449, 450 (#1-2), 451-453			
F-LE 1b.	Distinguish between situations that can be modeled with linear functions and with exponential functions. Recognize situations in which one quantity changes at a constant rate per unit interval relative to another. ★	**SE/TE:** 428 (#10), 429 (#12), 437 (#7), 445 (#11), 447-449, 451 (#4), 452 (#8)			
F-LE 1c.	Distinguish between situations that can be modeled with linear functions and with exponential functions. Recognize situations in which a quantity grows or decays by a constant percent rate per unit interval relative to another. ★	**SE/TE:** 447-454, 456-458, 459 (#1), 460 (#3-4, 6-7), 461 (#8, 11-12), 462-464, 466 (#7)			

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F-LE 2.	Construct linear and exponential functions, including arithmetic and geometric sequences, given a graph, a description of a relationship, or two input-output pairs (include reading these from a table). ★	**SE/TE:** 279-281, 282 (#8, 10), 283 (#11, 13, 15, 18), 286 (#1), 287 (#8-27), 288 (#50), 292 (#1-2), 294 (#2), 459 (#1), 460 (#4), 466 (#7)			
F-LE 3.	Observe using graphs and tables that a quantity increasing exponentially eventually exceeds a quantity increasing linearly, quadratically, or (more generally) as a polynomial function. ★	**SE/TE:** 462-463, 464 (#3-4), 465 (#1-4), 466 (#7)			
Cluster	**Interpret expressions for functions in terms of the situation they model.** [Linear and exponential of form $f(x) = b^x + k$]				
F-LE 5.	Interpret the parameters in a linear or exponential function in terms of a context.★	**SE/TE:** 289-293, 300, 304 (#1, 3), 305 (#5), 306 (#9-10), 428 (#10), 429 (#12), 437 (#7), 438 (#10-11), 445 (#10-11), 452 (#8), 456-459, 460 (#3-4, 6-7), 461 (#8, 11-12), 462-464, 466 (#7)			

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Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
	GEOMETRY				
Domain	**CONGRUENCE**				
Cluster	**Experiment with transformations in the plane.**				
G-CO 1.	Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment, based on the undefined notions of point, line, distance along a line, and distance around a circular arc.	**SE/TE:** 35, 36 (#5-6, 8-9), 279-280, 587-588, 589-591, 607-608, 608 (#1), 609 (#7), 607, 659 (#2), 660 (#6-7), 664 (#6-7), 669 (#1-3), 669 (Theorem 8.4), 674 (Theorem 8.5)			
G-CO 2.	Represent transformations in the plane using, e.g., transparencies and geometry software; describe transformations as functions that take points in the plane as inputs and give other points as outputs. Compare transformations that preserve distance and angle to those that do not (e.g., translation versus horizontal stretch).	For related content, please see: **SE/TE:** 189-194, 621-623, 624-630, 631-638, 639-647, 659, 660 (#6-7)			
G-CO 3.	Given a rectangle, parallelogram, trapezoid, or regular polygon, describe the rotations and reflections that carry it onto itself.	For related content, please see: **SE/TE:** 639-647			

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G-CO 4.	Develop definitions of rotations, reflections, and translations in terms of angles, circles, perpendicular lines, parallel lines, and line segments.	For related content, please see: **SE/TE:** 621-623, 624-627, 631-638, 639 (#9-12), 640-643, 644-646			
G-CO 5.	Given a geometric figure and a rotation, reflection, or translation, draw the transformed figure using, e.g., graph paper, tracing paper, or geometry software. Specify a sequence of transformations that will carry a given figure onto another.	For related content, please see: **SE/TE:** 621-623, 624-627, 631-638, 639-646, 661 (#11)			
Cluster	**Understand congruence in terms of rigid motions.** [Build on rigid motions as a familiar starting point for development of concept of geometric proof.]				
G-CO 6.	Use geometric descriptions of rigid motions to transform figures and to predict the effect of a given rigid motion on a given figure; given two figures, use the definition of congruence in terms of rigid motions to decide if they are congruent.	**SE/TE:** 648-652, 653-655			
G-CO 7.	Use the definition of congruence in terms of rigid motions to show that two triangles are congruent if and only if corresponding pairs of sides and corresponding pairs of angles are congruent.	**SE/TE:** 616 (#1-4), 617 (#8-12), 648-652, 653-655			

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G-CO 8.	Explain how the criteria for triangle congruence (ASA, SAS, and SSS) follow from the definition of congruence in terms of rigid motions.	For related content, please see: **SE/TE:** 616 (#1-4), 617 (#5-12), 648-652, 653-655			
Cluster	**Make geometric constructions.** [Formalize and explain processes.]				
G-CO 12.	Make formal geometric constructions with a variety of tools and methods (compass and straightedge, string, reflective devices, paper folding, dynamic geometric software, etc.). *Copying a segment; copying an angle; bisecting a segment; bisecting an angle; constructing perpendicular lines, including the perpendicular bisector of a line segment; and constructing a line parallel to a given line through a point not on the line.*	**SE/TE:** 575-576, 577-580, 580 (#1), 581-583, 584-585, 587-588, 589-591, 593-594, 596 (#10)			
G-CO 13.	Construct an equilateral triangle, a square, and a regular hexagon inscribed in a circle.	**SE/TE:** 592-593, 596 (#14), 597 (#1)			
Domain	**EXPRESSING GEOMETRIC PROPERTIES WITH EQUATIONS**				
Cluster	**Use coordinates to prove simple geometric theorems algebraically.** [Include distance formula; relate to Pythagorean Theorem.]				
G-GPE 4.	Use coordinates to prove simple geometric theorems algebraically.	**SE/TE:** 678 (#10)			

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G-GPE 5.	Prove the slope criteria for parallel and perpendicular lines and use them to solve geometric problems (e.g., find the equation of a line parallel or perpendicular to a given line that passes through a given point).	For related content, please see: **SE/TE:** 308-309, 310 (#1), 311 (#5-9), 669, 672 (#6), 674-676, 677 (#1-2, 5-6)			
G-GPE 7.	Use coordinates to compute perimeters of polygons and areas of triangles and rectangles, e.g., using the distance formula. ★	For related content, please see: **SE/TE:** 662-664, 666 (#2-3), 678 (#8)			
	STATISTICS AND PROBABILITY				
Domain	**INTERPRETING CATEGORICAL AND QUANTITATIVE DATA**				
Cluster	**Summarize, represent, and interpret data on a single count or measurement variable.**				
S-ID 1.	Represent data with plots on the real number line (dot plots, histograms, and box plots). ★	**SE/TE:** 488-489, 491 (#1, 3-4), 492 (#6-8), 493 (#10), 494 (#12), 495-499, 500 (#4), 501 (#9), 495-499, 520 (#1, 3)			
S-ID 2.	Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets. ★	**SE/TE:** 481-487, 489 (#4), 490 (#6), 491 (#2, 4), 492 (#7), 493 (#11), 494 (#13-14), 495-498, 499 (#1), 500 (#2-7), 501 (#9)			
S-ID 3.	Interpret differences in shape, center, and spread in the context of the data sets, accounting for possible effects of extreme data points (outliers). ★	**SE/TE:** 488 (#2), 493 (#11), 495-499, 500-501, 536			

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Cluster	**Summarize, represent, and interpret data on two categorical and quantitative variables.** [Linear focus; discuss general principle.]				
S-ID 5.	Summarize categorical data for two categories in two-way frequency tables. Interpret relative frequencies in the context of the data (including joint, marginal, and conditional relative frequencies). Recognize possible associations and trends in the data. ★	**SE/TE:** 503-506, 506 (#1), 507-510			
S-ID 6a.	Represent data on two quantitative variables on a scatter plot, and describe how the variables are related. Fit a function to the data; use functions fitted to data to solve problems in the context of the data. *Use given functions or choose a function suggested by the context. Emphasize linear, quadratic, and exponential models.* ★	**SE/TE:** 523-524, 525-527, 529-530, 532 (#3), 534 (#8),			
S-ID 6b.	Represent data on two quantitative variables on a scatter plot, and describe how the variables are related. Informally assess the fit of a function by plotting and analyzing residuals. ★	This standard is covered in a later course.			

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S-ID 6c.	Represent data on two quantitative variables on a scatter plot, and describe how the variables are related. Fit a linear function for a scatter plot that suggests a linear association. ★	**SE/TE:** 528-531, 532-535, 536-537, 539-542, 543-545, 546-549, 550			
Cluster	**Interpret linear models.**				
S-ID 7.	Interpret the slope (rate of change) and the intercept (constant term) of a linear model in the context of the data. ★	**SE/TE:** 253-257, 257 (#1), 258-261, 289-291, 292-293, 529-531, 532 (#3), 534 (#7-8), 535 (#11). 537 (#1), 539 (#3-4)			
S-ID 8.	Compute (using technology) and interpret the correlation coefficient of a linear fit. ★	**SE/TE:** 511-514, 515 (#3, 5), 516 (#6), 519 (#12-13)			
S-ID 9.	Distinguish between correlation and causation. ★	**SE/TE:** 514, 516 (#6)			

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	MATHEMATICAL PRACTICES				
MP 1.	Make sense of problems and persevere in solving them.	The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues. **SE/TE:** **Checking Your Understanding:** (#1), 39 (#7), 204 (#5), 333 (#4, 6) **On Your Own:** 15 (#6), 107 (#6), 141 (#12-14), 147 (#14), 479 (#4) **Maintain Your Skills:** 27 (#16), 66 (#15), 76 (#14), 199 (#17), 214 (#10), 526 (#12-15)			

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MP 2.	Reason abstractly and quantitatively.	The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues. **SE/TE:** **Checking Your Understanding:** 53 (#2), 74 (#5), 95 (#3, 5), 123 (#3), 174 (#4), 177 (#12), 368 (#1), 369 (#2) **On Your Own:** 97 (#11), 147 (#16), 176 (#9), 369 (#4), 677 (#5-6) **Maintain Your Skills:** 27 (#16), 177 (#14), 439 (#13)			

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Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
MP 3.	Construct viable arguments and critique the reasoning of others.	The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues. **SE/TE:** **Checking Your Understanding:** 43 (#3-4), 69 (#3), 73 (#4), 317 (#6), 609 (#6) **On Your Own:** 25 (#8), 96 (#8), 101 (#8), 166 (#10), 171 (#12), 335 (#13-14), 437 (#6) **Maintain Your Skills:** 613 (#11), 618 (#17)			

		Publisher Citations	Meets Standard		For Reviewer Use Only
Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
MP 3.1	**Students build proofs by induction and proofs by contradiction. CA** [for higher mathematics only].	N/A			
MP 4.	Model with mathematics.	The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues. **SE/TE:** **Checking Your Understanding:** 390 (#1), 444 (#5-6), 450 (#2), 677 (#1-2) **On Your Own:** 97 (#11), 265 (#11), 369 (#4), 371 (#13), 376 (#6), 386 (#8), 393 (#11-12), 437 (#7), 453 (#9), 517 (#9), 679 (#11-12) **Maintain Your Skills:** 395 (#17-18)			

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Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
MP 5.	Use appropriate tools strategically.	The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues. **SE/TE:** **Checking Your Understanding:** 333 (#2, 5-6), 590 (#1-2), 645 (#3-4) **On Your Own:** 582 (#11), 613 (#10), 645 (#7), 654 (#8) **Maintain Your Skills:** 596 (#15-16), 655 (#9)			

		Publisher Citations	Meets Standard		For Reviewer Use Only
Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
MP 6.	Attend to precision.	The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues. **SE/TE:** **Checking Your Understanding:** 72 (#1), 73 (#3-4), 204 (#5-6), 305 (#5), 421 (#4), 459 (#1) **On Your Own:** 259 (#7-8), 370 (#8), 405 (#10, 12), 421 (#6) **Maintain Your Skills:** 97 (#12-13), 371 (#14), 461 (#11-12)			

		Publisher Citations	Meets Standard		For Reviewer Use Only
Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
MP 7.	Look for and make use of structure.	The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues. **SE/TE:** **Checking Your Understanding:** 48 (#6) **On Your Own:** 26 (#14), 44 (#7-8), 49 (#9), 107 (#6), 108 (#9), 113 (#6-7), 155 (#22) **Maintain Your Skills:** 22 (#14-15), 27 (#15), 32 (#9), 70 (#10-12), 76 (#14), 80 (#12), 109 (#16-17), 283 (#17), 406 (#15-160			

		Publisher Citations	Meets Standard		For Reviewer Use Only
Standard No.	**Standard Language[1]**		**Y**	**N**	**Reviewer Notes**
MP 8.	Look for and express regularity in repeated reasoning.	The goal of the CME project is for students to engage in different activities to develop a deep understanding of mathematics. In addition to providing extensive practice in critical thinking and problem-solving skills, the problems are geared to engage students in communicating and exploring mathematics with In-Class Experiments and Project. Each investigation includes a Getting Started lesson that activates prior knowledge and explores new ideas. Mind in Action offers opportunities for communication and reflection through student-student and student-teacher dialogues. **SE/TE:** **Checking Your Understanding:** 43 (#1), 48 (#6(, 404 (#4), 416 (#4) **On Your Own:** 49 (#9), 405 (#9) **Maintain Your Skills:** 278 (#13-14), 401 (#9), 412 (#16), 418 (#12-13), 423 (#17)			