* Represents standards that may be assessed during ISTAR Part 1 (Jan/Feb) and Part 2 (A	* Represents standards that may be assessed during ISTAR Part 1 (Jan/Feb) and Part 2 (AprilMay).							
Indiana Academic Standards	Content Connectors	Student Text	Practice Book	Teacher Resource Edition Activities & Projects				
Numbers Sense, Expressions and Computation								
AI. RNE.2: Explain why the sum or product of two rational numbers is rational; that the sum of a rational number and an irrational number is irrational; and that the product of a nonzero rational number and an irrational number is irrational.	AI.RNE.2.a.1: Identify the pattern for the sum or product for combinations of rational numbers.	Al A 3, 4 Al B 22, 23, 24, 25, 26	AI A 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 AI B 1, 22, 23, 24, 25, 26, 37, 91, 139, 140, 141, 142, 143, 144, 145, 146, 147, 159, 160, 161, 162, 163, 164, 165	AI A 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 AI B 5, 22, 29, 30				
			144, 145, 140, 147, 159, 160, 161, 162, 165, 164, 165	AI B 5, 22, 29, 30				
AI.RNE.3: Rewrite and evaluate numeric expressions with positive	AI.RNE.3.a.1: Use properties of integer exponents to produce	Al A 21, 22, 23, 24, 25, 27, 49, 50, 51, 52, 53, 54, 55, 61, 63, 97,	Al A 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36,	Al A 21, 32				
rational exponents using the properties of exponents.	equivalent expressions.	101, 102, 103, 104, 105, 111, 113, 114, 115, 151, 153, 156, 157, 158, 159, 160, 177	37, 38, 39, 40, 41, 42, 43, 44, 113, 157, 158, 159, 160, 177	Al B 0				
AI.RNE.4: Simplify square roots of non-perfect square integers and	Al.RNE.4.a.1: Solve equations using square root properties.	AI B 0 AI A 0	AI B 0 AI A 0	AI A 0				
algebraic monomials.	Al. NIVE. 4.a. 1. Solve equations using square root properties.	Al B 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186	AI B 177, 178, 179, 180, 181, 182, 183	AI B 0				
Linear Equations, Inequalities, and Functions			,,,,,,					
Al.F.1: Understand that a function from one set (called the domain) to	Al.F.1.a.1: Distinguish between functions and non-functions,	Al A 0	AI A O	AI A 0				
another set (called the range) assigns to each element of the domain	graphs, or							
exactly one element of the range. Understand that 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. Understand the graph of f is the graph of the	tables.	AI B 27, 28, 29, 30, 31, 41	Al B 27, 28, 29, 31, 32	AIBO				
Al.L.1: Understand that the steps taken when solving linear equations create new equations that have the same solution as the original. Solve fluently linear equations and inequalities in one variable with integers, fractions, and decimals as coefficients. Explain and justify each step in solving an equation, starting from the assumption that the original equation has a solution. Justify the choice of a solution method.	Al.L.1.a.1: Solve equations with one or two variables using equations or graphs.	Al A 17, 28, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 79, 80, 88, 89, 90, 92, 93, 94, 95, 96, 97, 98, 99	63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 136, 137, 138, 139, 140, 146, 147, 148, 149, 150,	Al A 13, 15 Al B 6, 8, 23, 24, 31, 32, 33, 34, 36				
		AI B 17, 18, 19, 20, 21, 24, 25, 26, 27, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 51, 58, 59, 60, 61, 62, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 90, 91, 92, 93, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105,	156, 157, 158, 159, 160, 165, 166, 167, 168, 169, 170, 179, 180  AI B 24, 25, 26, 27, 33, 34, 35, 36, 37, 38, 39, 40, 41, 51,					
		106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170	60, 61, 62, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 87, 88, 89, 90, 93, 94, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 157, 158, 159, 160, 163, 164, 165, 166, 167					
Al.L.11: Solve equations and formulas for a specified variable, including equations with coefficients represented by variables.	Al.L.11.a.1: Solve linear equations with 1 variable.	Al A 17, 28, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 79, 80, 88, 89, 90, 92, 93, 94, 95, 96, 97, 99, 99, 91, 93, 94, 94, 95, 96, 97, 99, 99, 91, 91, 91, 91, 91, 91, 91, 91	Al A 47, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 67, 77, 78, 79, 80, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 136, 137, 138, 139, 140, 146, 147, 148, 149, 150, 156, 157, 158, 159, 160, 165, 166, 167, 168, 169, 170, 179, 180  Al B 24, 25, 26, 27, 33, 34, 35, 36, 37, 38, 39, 40, 41, 51, 60, 61, 62, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 87, 88, 89, 90, 93, 94, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 157, 158, 159, 160, 163, 164, 165, 166, 167	AI A O				
* Represents standards that may be assessed during ISTAR Part 1 (Jan/Feb) and Part 2 (A				I				
Indiana Academic Standards	Content Connectors							
Systems of Equations and Inequalities								
SEI.1: Understand the relationship between a solution of a pair of linear equations in two variables and the graphs of the corresponding lines. Solve pairs of linear equations in two variables by graphing; approximate solutions when the coordinates of the solution are non-integer numbers.	SEI.1.a.1: Identify the solution to a system of linear equations given a graph.	Al B 110, 111, 114, 115, 116, 120, 121, 122, 123, 124	AI A 0 AI B 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125	AI A 0 AI B 0				
Overdentia and Evenes at I Francis								
Quadratic and Exponential Equations and Functions Al.QE.3: Graph exponential and quadratic equations in two variables with	Al.QE.3.a.1: Determine if the points lie on a graph of an	Al A 0	AI A 0	AI A 0				
and without technology.	exponential or quadratic function.	AI B 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172	AI B 157, 158, 159, 160, 163, 164, 165, 166, 167	AI B 0				
AI.QE.6: Use the process of factoring to determine zeros, lines of symmetry, and extreme values in real-world and other mathematical problems involving quadratic functions; interpret the results in the real-	Al.QE.6.a.1: Identify zeros of a quadratic function.	AI A 0 AI B 172, 173, 174, 181, 182, 183, 184	Al A 0 Al B 171, 172, 173, 174, 181, 182, 183, 184	AI A 0 AI B 0				
world contexts.								
Al.QE.7: Describe the relationships among the solutions of a quadratic	Al.QE.7.a.1: Identify zeros of a quadratic function.	Al A 0	AI A 0	Al A 0				
equation, the zeros of the function, the x-intercepts of the graph, and the factors of the expression.		AI B 172, 173, 174, 181, 182, 183, 184	Al B 171, 172, 173, 174, 181, 182, 183, 184	Al B 0				
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Al.DS.5: Understand that patterns of association can also be seen in	Al.DS.5.a.1: Examine the study using categorical data.	AI A 0	Al A 0	AI A 0
bivariate categorical data by displaying frequencies and relative		AI B 164, 165	Al B 164, 165	AIB8
frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same				
subjects. Use				
relative frequencies calculated for rows or columns				
(including joint, marginal, and conditional relative				

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