Ch 2 Review & Preview: Justification and Similarity **Integrated Math 2**

Formative Topics are considered new within this chapter.

Summative Topics are from previous chapters or courses.

	Formative Targets	**Review & Preview Problems**	I can do these on my own!	I need more practice!	I need to get some help!
1	Write a flowchart proof. (Prove two triangles are congruent or similar.)	17, 19, 29, 54, 96, 103, 120			
2	Given a conditional statement, write in "if…, then…" form. Write the converse. Identify if true or false. If false, provide a counterexample. Justify.	27, 40, 52, 80, 104, 116, 127			
3	Given a set of 5 objects, calculate different probabilities.	45, 66, 99,			
4	Identify if two events are independent or not. (Probability)	118			
5	Given a figure on the coordinate plane, dilate by a given scale factor.	51, 61, 83, 121			
6	Calculate the area and perimeter of similar figures. Compare.	51, 83			
7	Identify if two figures are similar, congruent, or neither. If they are, write the similarity statement or congruence statement. Name the theorem. (Not a proof, just recognize.)	6, 31, 42, 78, 82, 84, 94, 114, 123			
8	Given two similar figures, identify corresponding sides and ratios. Solve for a missing side or angle.	62, 85, 108, 117, 122, 123			
9	Describe a sequence of transformations map one figure onto another (similarity & congruence).	42, 62, 86, 115			

	Summative Targets	**Review & Preview Problems**	I can do these on my own!	I need more practice!	I need to get some help!
1	Triangle Inequalities. Understand the relationships between the sides of a triangle and angles. (IE the longest side is opposite the largest angle, etc.) Also, which side length trios are NOT possible to make a triangle. And if you know two side lengths of a triangle, you can describe the third side of the triangle.	11, 44, 64, 88, 98, 124, 125			
2	Area and perimeter of geometric shapes. Composite figures. Trapezoids. Triangles.	9, 18, 43, 53, 81, 107, 129			
3	Diamond Pattern. Fill in the missing boxes.	21, 32, 65			
4	Solve equations. Multi-step. Proportions.	20, 41,			
5	Angle relationships. Two parallel lines cut by a transversal. In triangles.	22, 28, 56, 95			
6	Given a system of two linear equations, find the point of intersection. Graphically. Algebraically.	10, 30, 87,			
7	Area Models. Fill in the missing dimensions and area. Then, write the area as a product equivalent to the area as a sum.	55, 79, 106, 119, 126			
8	Characteristics of Triangles. Pythagorean Theorem. Vocabulary.	64, 105, 125, 128			
9	Reflections & Rotations.	7,8, 95			
10	Given two points of an exponential function, write the equation of the function in form $y = a(b)^x$.	97			
11	Given 3 graphs & 3 scenarios, match.	63			
12	Combining like terms. (subtraction)	89			