NAME_____

Accelerated 7th Grade Learning Targets

	Unit 9 2D Geometry			
1	I can state the Pythagorean Theorem.			
2	I can identify the legs and the hypotenuse of a right triangle (and label them appropriately with a, b, and c).			
3	I know that for any triangle with legs a and b and hypotenuse, c, if $a^2 + b^2 = c^2$, then the triangle must be a right triangle.			
4	I can find the missing side length of a given right triangle.			
5	I can solve story problems involving right triangles and draw pictures to accurately represent the problem.			
6	I can apply the Pythagorean theorem to find the distance between two points in a coordinate system.			
7	I can find the distance between two points by using the distance formula. $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$			
8	I know the characteristics acute, obtuse, right, isosceles and equilateral triangles.			
9	I can draw a triangle given two angles using a protractor and ruler.			
10	I can draw a triangle given three side lengths using a protractor and ruler.			
11	I can determine if three given side lengths form a triangle.			
12	I know the formulas for area and circumference of a circle.			
13	I can solve story problems using the formulas for area and circumference of a circle.			
14	I can identify supplementary, complimentary, vertical and adjacent angles in a 2-D drawing.			

15	I can determine unknown angles using characteristics of supplementary, complimentary, vertical and adjacent angles.			
16	I can recognize congruent figures that have been rotated, reflected, and/or translated.			
17	I can describe the sequence of rotations, translations, and/or reflections between two congruent shapes.			
18	I can describe the effect of dilations, translations, rotations, and reflections on a shape using coordinates on a graph.			
19	I know the difference between congruent figures and similar figures.			
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