

Concept Skills—Spring 2017—Math 8

#	Concept Skill	Pass?
1	Calculate a missing angle formed by <i>Parallel Lines</i> and a <i>Transversal</i>	
2	Calculate a missing angle in a <i>Triangle</i> —(<i>Triangle Sum Theorem</i>)	
3	Use the <i>Triangle Sum Theorem</i> to solve an <i>Angle Equation</i>	
4	Calculate an <i>Exterior Angle</i> of a <i>Triangle</i> , given an <i>Interior Angle</i>	
5	Calculate an <i>Interior Angle</i> of a <i>Triangle</i> , given an <i>Exterior Angle</i>	
6	Calculate the size of an <i>Interior Angel</i> of a <i>Polygon</i> — $(n - 2) \cdot 180^\circ$	
7	Distinguish between <i>Convex</i> and <i>Concave Angles</i>	
8	Graph a <i>Linear Equation</i> using a <i>Table of Values</i>	
9	Generate a <i>Table of Values</i> to Graph a <i>Linear Equation</i>	
10	Find the <i>Slope of a Line</i> using <i>Slope Triangles</i>	
11	Find the <i>Slope of a Line</i> using: $m = \frac{y_2 - y_1}{x_2 - x_1}$	
12	Express the <i>Slope</i> of a <i>Vertical</i> and <i>Horizontal Line</i>	
13	Solve a <i>Proportion</i>	
14	Generate a <i>Direct Variation Equation</i>	
15	Graph a <i>Linear Equation</i> using <i>Slope Intercept Form</i>	
16	Graph a <i>Linear Equation</i> given in <i>Standard Form</i>	
17	Graph a <i>Linear Equation</i> using <i>Intercepts</i>	
18	Write a <i>Linear Equation</i> in <i>Slope Intercept Form</i> given a <i>Picture</i>	
19	Write a <i>Linear Equation</i> in <i>Slope Intercept Form</i> given m and b	
20	Write a <i>Linear Equation</i> in <i>Point Slope Form</i> given a point and m	
21	Write a <i>Linear Equation</i> in <i>Point Slope Form</i> given 2 points	
22	Convert <i>Point Slope Form</i> of a <i>Line</i> to <i>Slope Intercept Form</i>	
23	Write a <i>Linear Equation</i> given a <i>Practical Scenario</i>	
24	Find the <i>Point of Intersection</i> of 2 <i>Lines</i>	
25	Solve a <i>System of Linear Equations</i> given a <i>Practical Scenario</i>	