Content Area: Mathematics   Course: ___Geometry_____
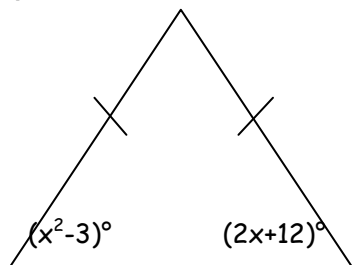
Strand: Geometric and Spatial Relationships	Missouri CLE
Power Standard: I will apply properties, postulates, and theorems to classify triangles and to prove pairs of triangles congruent.	
Kid-Friendly Objective: I will classify triangles and determine the measures of angles and sides.	

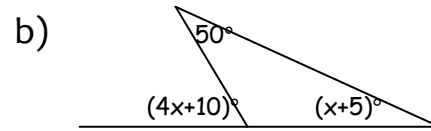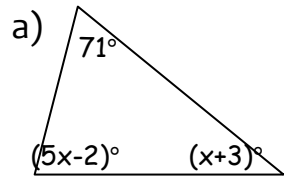| Score 4.0	In addition to Score 3.0, in-depth inferences or applications that go beyond what was taught. For example, the student may:	
	*set up and solve quadratic equations to find the values of angles and sides of triangles when written as algebraic expressions	
	3.5	In addition to 3.0 performance, in-depth inferences and applications with partial success.
Score 3.0	**The student will:**	
	*classify triangles by its angles (acute, right, or obtuse) and sides (scalene, isosceles, or equilateral)	
	*set up and solve equations to find the values of angles and sides of triangles when written as algebraic expressions	
	The student exhibits no major errors or gaps in the learning goal (complex ideas and processes).	
	2.5	No major errors or gaps in 2.0 content and partial knowledge in 3.0 content
Score 2.0	The student will:	
	*classify triangles by its angles(acute, right, or obtuse) and sides (scalene, isosceles, or equilateral)	
	*find the values of angles and sides of triangles with no algebraic expressions	
	The student exhibits no major errors or gaps in the simpler details and processes.	
	1.5	Partial understanding of the 2.0 content and some of the 3.0 content.
Score 1.0	With help, a partial understanding of the 2.0 content and some of the 3.0 content.	
	0.5	With help, a partial understanding of the 2.0 content and none of the 3.0 content.
Score 0.0	Even with help, no understanding or skill demonstrated.	

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4.0 Example Assessment Items
Set up an equation and solve for x.

$(x^2-3)°$ $(2x+12)°$

3.0 Example Assessment Items
Set up an equation and solve for x.

a)

71°

(5x-2)°   (x+3)°

b)

50°

(4x+10)°   (x+5)°

2.0 Example Assessment Items
Find the value of the variables.

a)

54°

y°

x°

b)

y°

x°

62°   146°