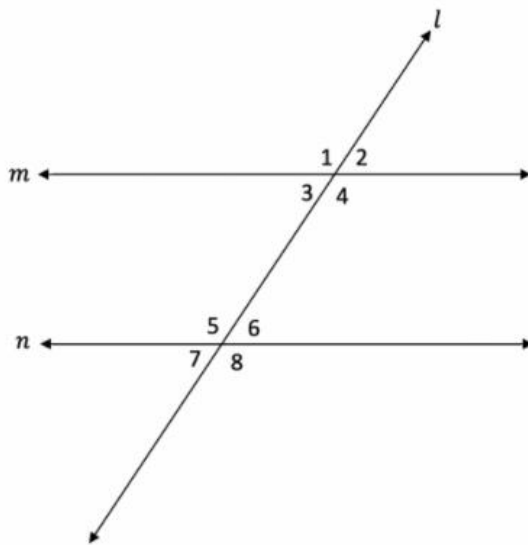


Chapter 1 Fall Final Review – Integrated Math 2

Name: _____ Date: _____

1. Given the diagram below with parallel lines crossed by a transversal.



Notice!

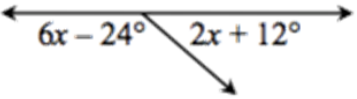
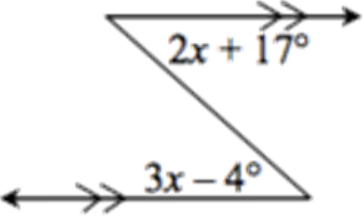
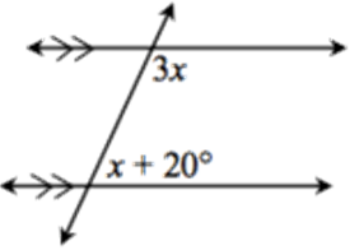
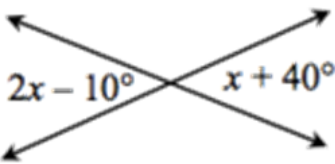
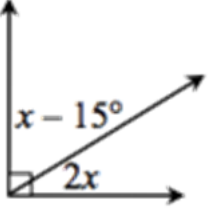
Notice lines *m* and *n* are parallel to each other and cut but the transversal line *l*, forming angles 1 through 8.

Relationship	List all Angle Pairs	Congruent, Complementary, or Supplementary?
Vertical Angle Pairs		
Corresponding Angle Pairs		
Alternate Interior Angle Pairs		
Same Side Interior Angle Pairs		

2. Solve the following equations.

<p>a) $4(3x - 2) = 28$</p>	<p>c) $6x - 13 = 8 + 9x$</p>
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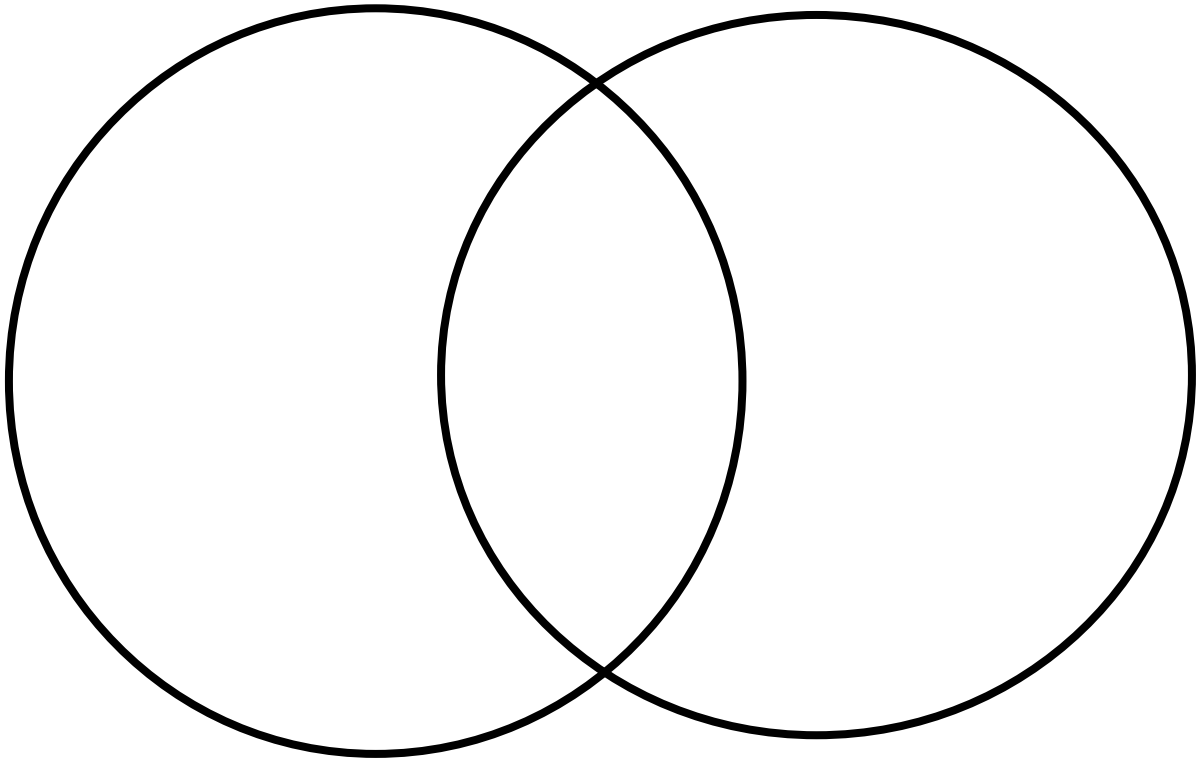
3. For each diagram state the angle relationship that is shown and solve for x.

	<p>Angle Relationship: _____</p> <p>Solve for x:</p>
	<p>Angle Relationship: _____</p> <p>Solve for x:</p>
	<p>Angle Relationship: _____</p> <p>Solve for x:</p>
	<p>Angle Relationship: _____</p> <p>Solve for x:</p>
	<p>Angle Relationship: _____</p> <p>Solve for x:</p>

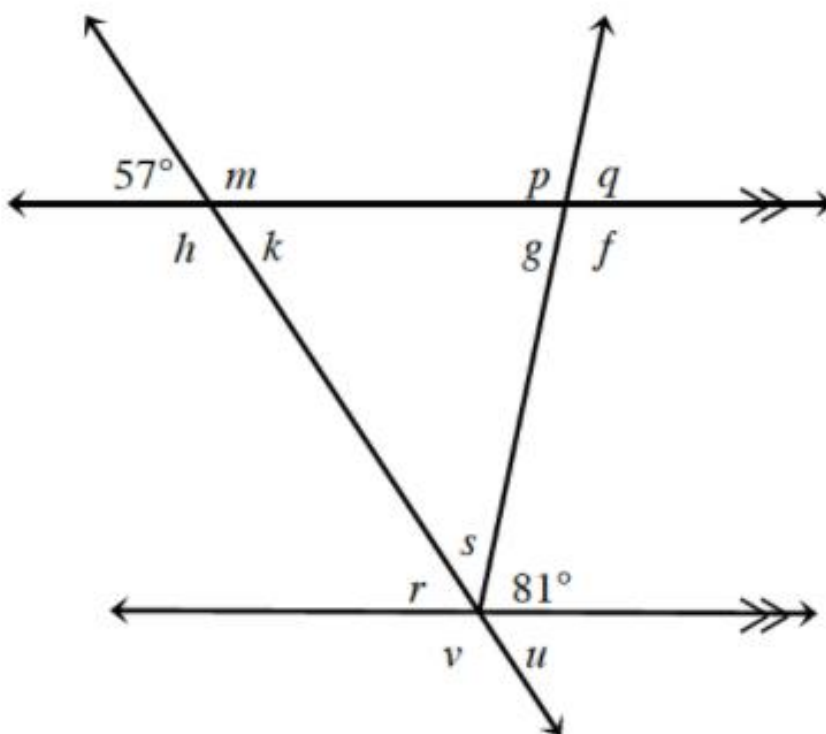
4. Using your polygon organizer to classify the polygons using the following Venn diagram. **Be sure to classify at least 10 polygons in the organizer.** Use the names of the polygons rather than drawing them.

Has four sides

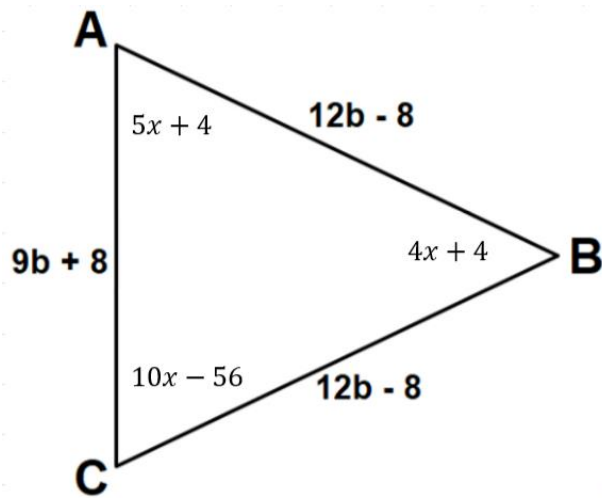
Has at least one pair of congruent sides



5. Determine the measures of all the labeled angles below. Write the measure next to the label



6. The perimeter of the triangle below is 289 cm.



a. Using the sides, write an equation and solve for b .

b. Using the angles, write an equation and solve for x .

b. What are the lengths of the sides of the triangle?

What are the measures of the angles?

c. What kind of triangle is this? Explain.