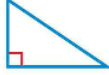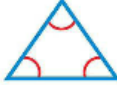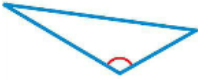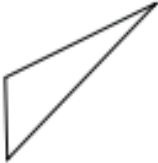# Chapter 14, Lessons 10: Triangles

Learning Targets: I can identify triangles as right, acute, or obtuse.
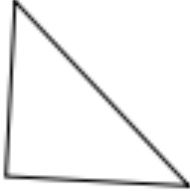
Watch Me

Angle	Definition	Pictures
right triangle	A right triangle has one _____ angle.	
acute triangle	An acute triangle has three _____ angles.	
obtuse triangle	An obtuse triangle has one _____ angle.	

We Try
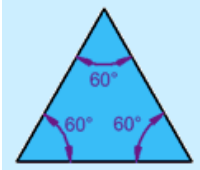
Identify each triangle

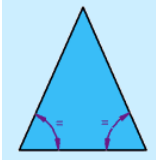# Chapter 14, Lessons 11: Triangles
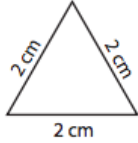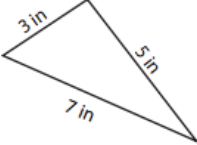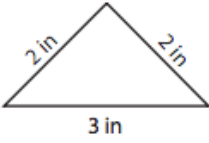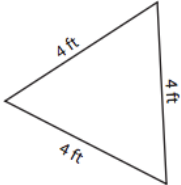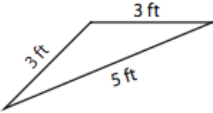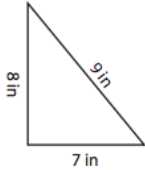
Learning Targets: I can identify triangles as scalene, isosceles, and equilateral.

Watch Me

Angle	Definition	Pictures	
Equilateral triangle	_____ equal sides. _____ equal angles, always _____.		
Isosceles triangle	_____ equal sides. _____ equal angles		
Scalene triangle	_____ equal sides. _____ equal angles		

We Try

Identify each triangle

2 cm, 2 cm, 2 cm triangle		3 in, 5 in, 7 in triangle	
2 in, 2 in, 3 in triangle		4 ft, 4 ft, 4 ft triangle	
3 ft, 3 ft, 5 ft triangle		8 in, 9 in, 7 in triangle	

Chapter 14, Lessons 12 Quadrilateral

Learning Target: I can name and classify quadrilaterals based on the characteristics of right angles, equal sides, and parallel sides.

A little review...

Draw a right angle	Draw a shape with a pair of equal sides	Draw parallel lines

A **polygon** is any shape with _____ sides.

Circle which one of these shapes is NOT a polygon.   Draw 2 polygons.
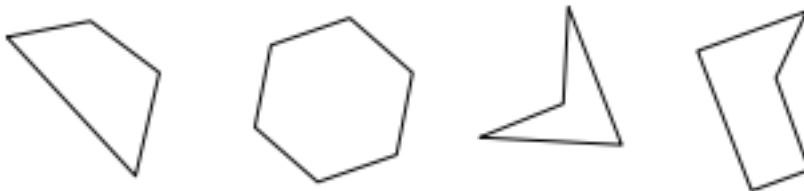
A **quadrilateral** has _____ sides and _____ angles.

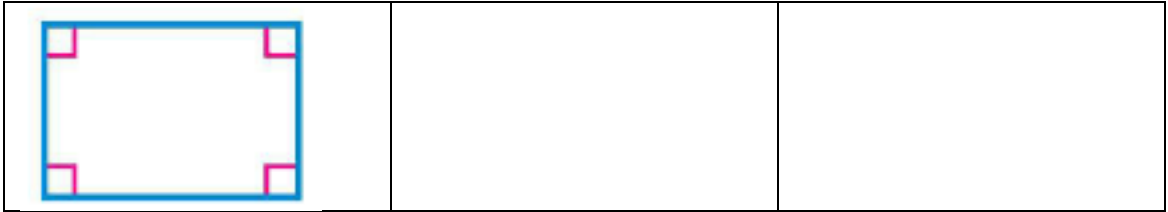Circle all the quadrilaterals.   Draw one!

A **parallelogram** has _____ sides. Its opposite sides are

_____ and _____.

A **rectangle** has 4 _____ angles. Its opposite sides are _____ and _____.

A **square** has 4 _____ sides and 4 _____ angles.

A **trapezoid** has only 1 pair of _____ lines.

A **rhombus** has 4 _____ sides. Its opposite sides are _____.

We Try

Look carefully at the figures below. Decide how many right angles, pairs of parallel sides, and pairs of congruent sides each has. Then circle the words that describe what kind of figure it is. You might circle more than one word for some figures.

| Figure	Right angles	Pairs of equal sides	Pairs of parallel sides	Word(s) that describe(s) the figure
a				
b				
c				
d				
e				

Chapter 14, Lessons 13 Draw Lines of Symmetry
Learning Target: I can identify figures that have line symmetry and draw lines of symmetry.

Watch Me

A figure has **line symmetry** if it can be _____ a line so that one half of the figure matches the other half.
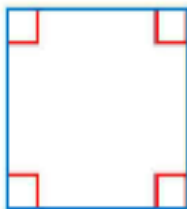
The _____ line is called the **line of symmetry**.

Determine whether the figures below have line symmetry. If it does, draw the line(s) of symmetry.

Example 2 Tutor
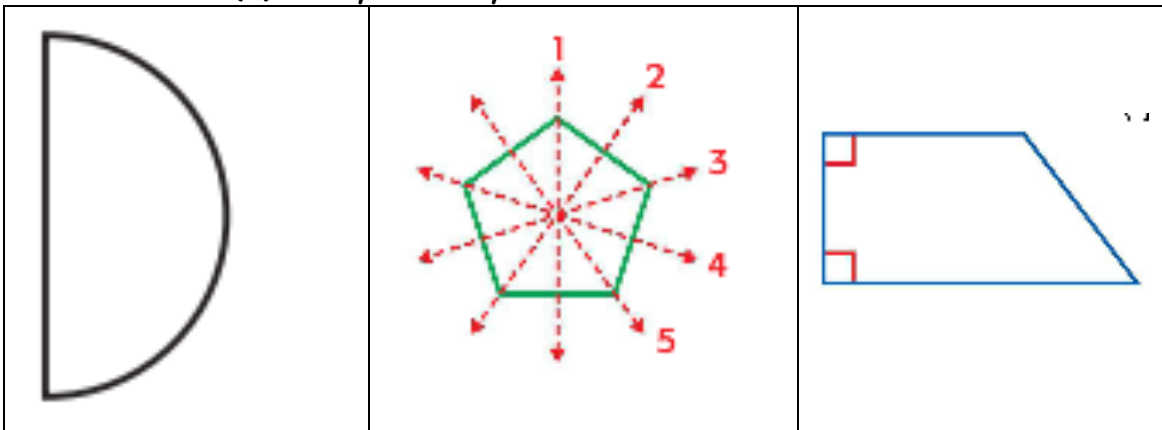
Circle the figures that have line symmetry. On those figures, draw all the lines of symmetry.

Determine whether the figures have line symmetry.

On those figures draw all the lines of symmetry.