Geometry Part 1: Lines

Open and closed shapes

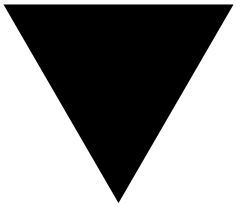
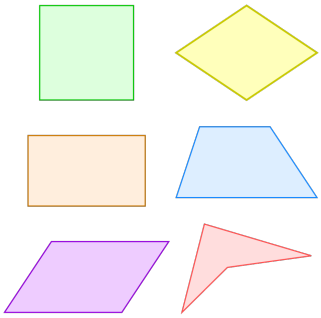
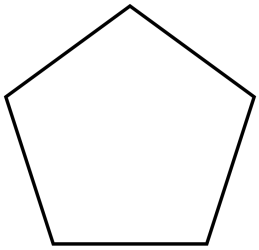
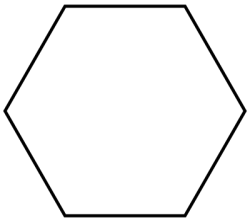
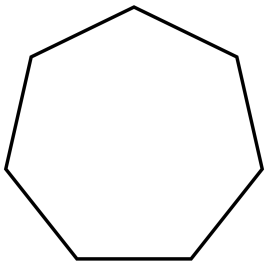
Open Shape

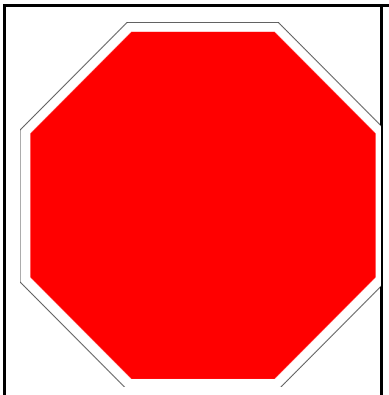
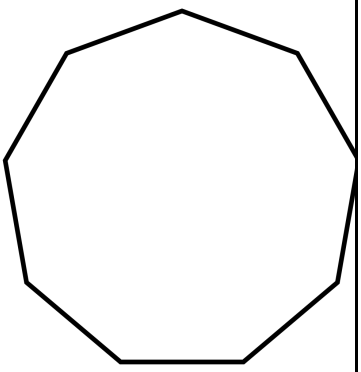
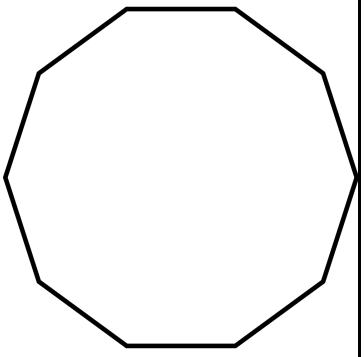
NOT all of the lines are connected

Closed Shape

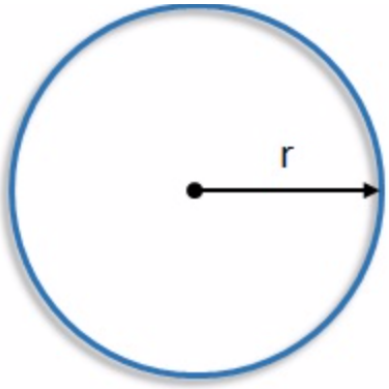
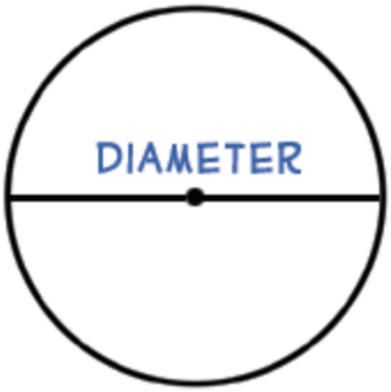
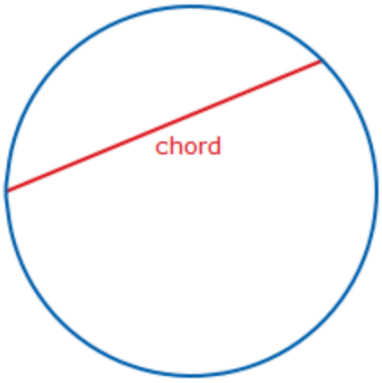
ALL of the lines are connected

What is a polygon?

	Shape name	# of sides
		
		
		
		
		

Parts of a Circle

Circumference The distance around circle (The circles Perimeter!)	
Radius The line that measures from center to the circumference	
Diameter The length of the line that goes through the center and touches two points of the circumference	
Chord A line that connects to two points of the circumference NOT through the center	

Chapter 14, Lessons 1: Draw Points, Lines, and Rays

Learning Targets: I can draw and identify points, lines, line segments, and rays.

Watch Me

1. A **point** is an _____ location that is represented by a _____.

Example	Name

2. A **line segment** is a part of a line between _____ endpoints.

Example	Name

3. A **line** is a _____ set of points that extends in opposite directions without _____.

Example	Name

4. A **ray** is a part of a line that has _____ endpoint and extends in one direction without ending.

Example	Name

We Try

Identify each figure

Draw Figure	What is it?	Name it
		
		
		
		

Chapter 14, Lessons 2: Draw Parallel and Perpendicular Lines

Learning Target: I can describe a figure using the words parallel, perpendicular, or intersecting.

Watch me

You can describe **lines**, **rays**, and **line segments** by the way they cross each other or do not cross each other.

Parallel lines are always the same distance apart. They will _____ meet or cross each other.

Examples	

Intersecting lines meet or _____ each other.

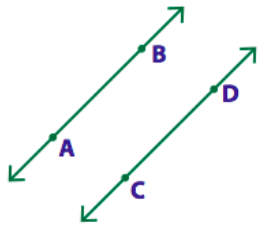
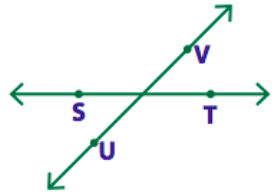
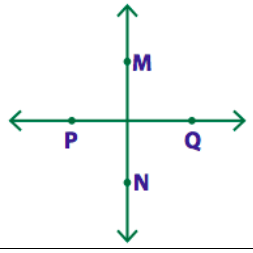
Examples	

Perpendicular lines meet or cross each other to form _____ corners.

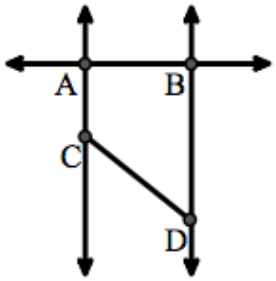
Example	

We Try

Describe each figure using parallel, perpendicular, or intersecting.

Figure	What is it?	Name
		
		
		

Use the graphic to the right to find the following (if possible):



1) A Line _____

2) A Ray _____

3) A Segment _____

4) Parallel Lines _____

5) Perpendicular Lines _____

6) Intersecting Lines _____