

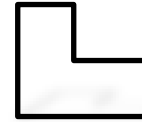
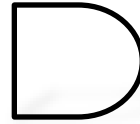
Geometry

1.4 Perimeter and Area in the Coordinate Plane

Polygons

What is it like?

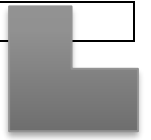
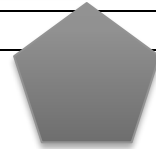
- Sides are _____ segments.
- Sides only intersect at _____.
- _____
- _____



Convex and Concave

Convex

- All angles _____.
- A line containing a side does NOT go _____ of the shape.



Concave

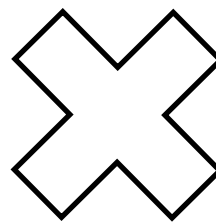
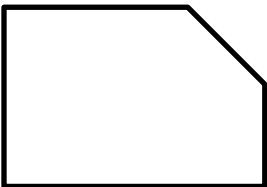
- Not _____.
- There's a "_____".



Classify Polygons

Number of Sides	3	4	5	6	7	
Type of Polygon						
Example						
Number of Sides	8	9	10	12	13	n
Type of Polygon						
Example						

Classify each polygon by the number of sides. Tell whether it is *convex* or *concave*.



Geometry 1.4
Perimeter (P)

Name: _____

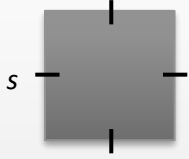
• _____
Circumference (C)

• _____
Area (A)

• _____

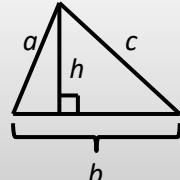
Square
Side s

- $P =$ _____
- $A =$ _____



Triangle
Sides a, b, c
Base b , Height h

- $P =$ _____
- $A =$ _____



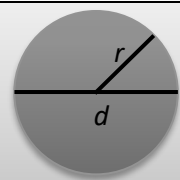
Rectangle
Length ℓ
Width w

- $P =$ _____
- $A =$ _____



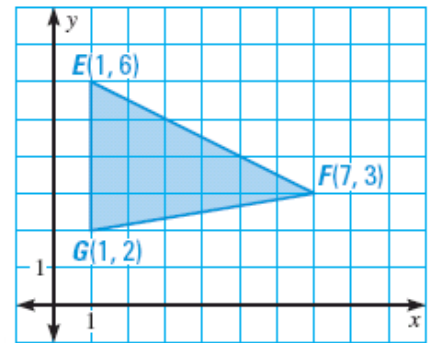
Circle
Diameter d
Radius r

- $C =$ _____
- $A =$ _____



Describe how to find the height from F to \overline{EG} in the triangle.

Find the perimeter and area of the triangle.



Find the area of $\square ABCD$ with vertices $A(1, 3)$, $B(3, -3)$, $C(-2, -3)$, and $D(-4, 3)$.

