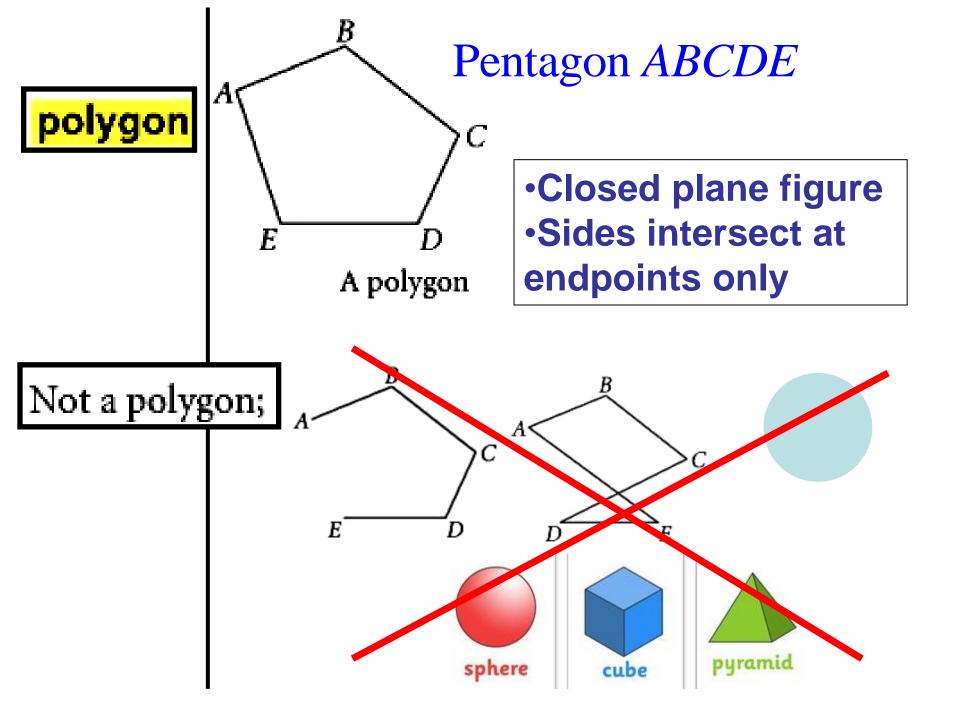
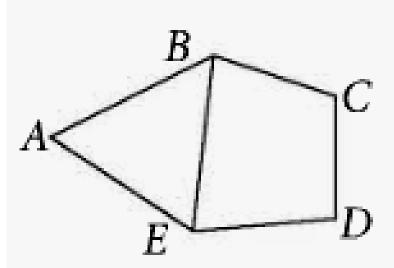


Special names for Polygons

Types of Regular polygons		
Types	Sides	Shapes
Triangle	3	
Quadrilateral	4	
Pentagon	5	
Hexagon	6	$\langle \rangle$
Heptagon	7	$\bigcirc$
Octagon	8	$\bigotimes$
Nonagon	9	$\bigcirc$
Decagon	10	()
Hendecagon	11	$\bigcirc$
Dodecagon	12	$\bigcirc$

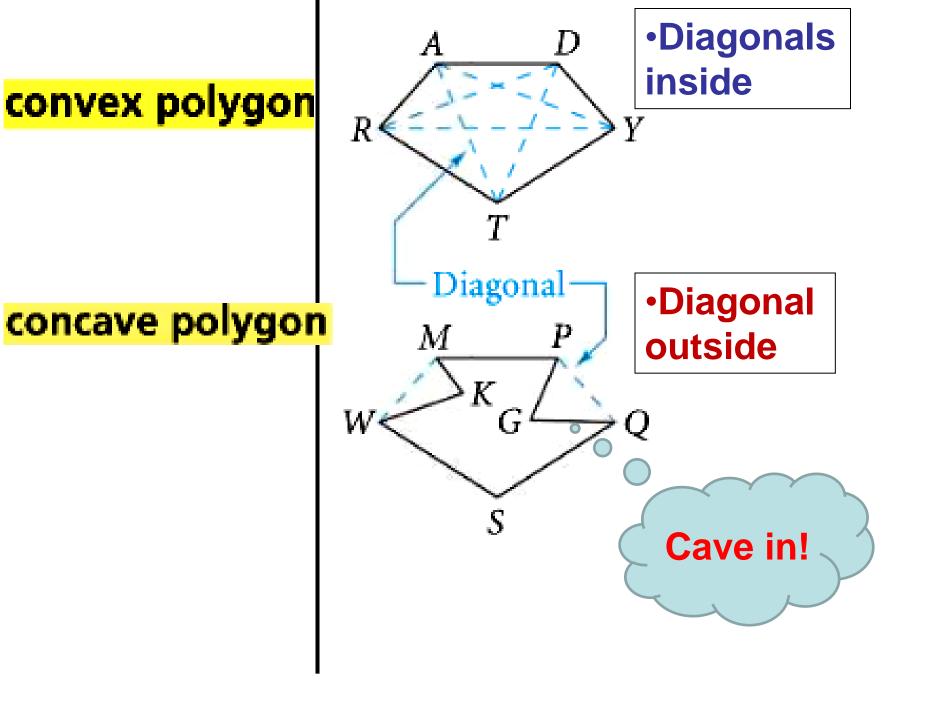


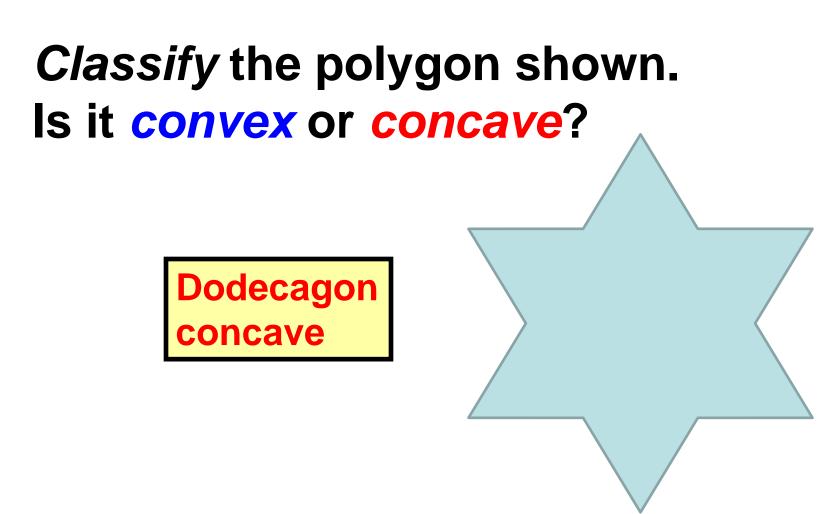
Three polygons are pictured, name them!



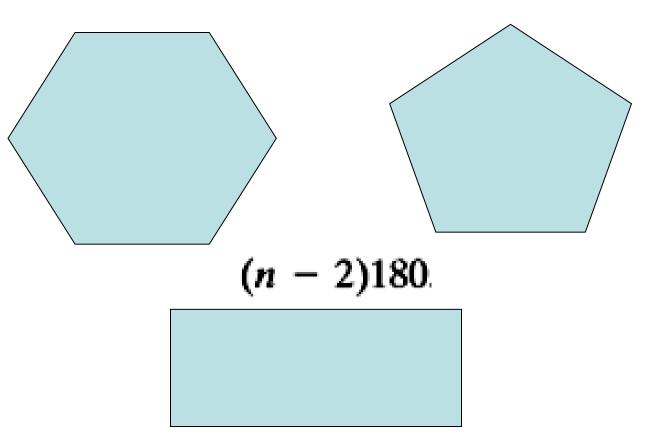
 $\Delta ABE$ 

Quadrilateral *BCDE* Pentagon *ABCDE* 







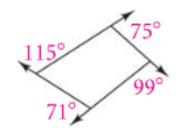


## Polygon Exterior Angle-Sum Theorem

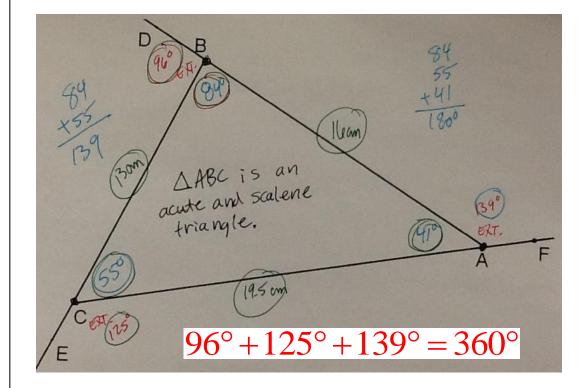
360°

80% 150°  $130^{\circ}$ 

80 + 150 + 130 = 360



115 + 75 + 99 + 71 = 360



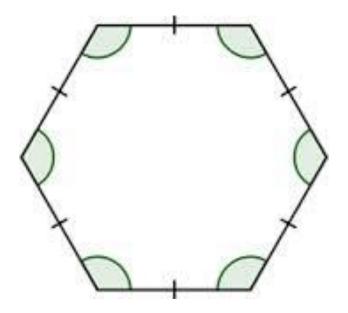
An equilateral polygon has Congruent sides

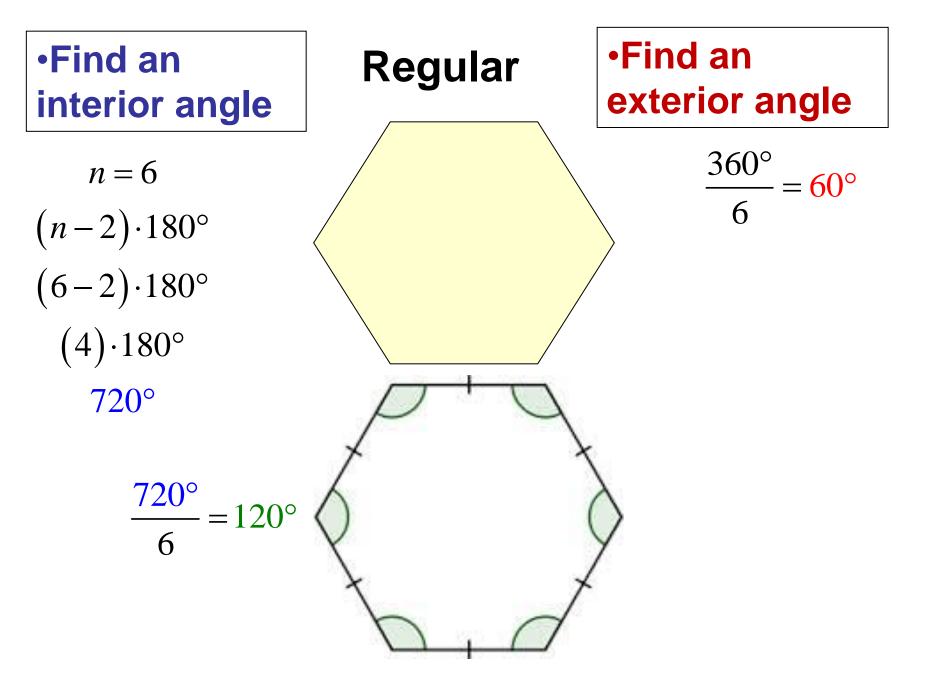
An equiangular polygon has \_\_\_\_

**Congruent angles** 

A regular polygon is

**Equilateral and Equiangular** 





## Assignment

## Polygon Shape Handout

## New Vocabulary

- polygon
  convex polygon
  concave polygon
- equilateral polygon
  equiangular polygon
- regular polygon