

9/3/14

1-6 Two Dimensional Figures

Obj(s):


- ① Identify and name polygons
- ② Find perimeter, circumference, and area of two-dimensional figures.

Polygon — a closed figure formed by *(many sides)* a finite number of coplanar segments called sides.

- Polygons can be concave or convex.

Concave = points ~~are~~ pass through the interior of a polygon

Convex = no points pass through
the interior



regular polygon = a polygon that
is both equilateral and equiangular

equilateral = all sides equal

equiangular = all angles equal

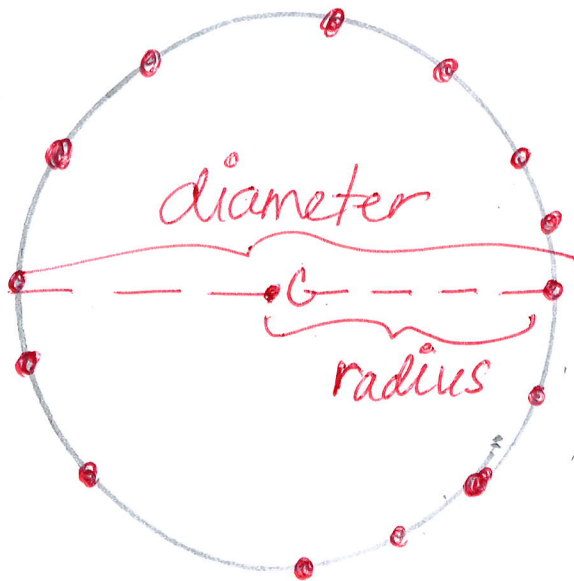
Polygon "cheat sheet" on pg 57

9/3/14

Perimeter, Area, and Circumference

Perimeter = sum of all sides (lengths)

Circumference = perimeter of a circle



C = center

$$C = 2\pi r$$

↑ ↑
pi key radius

or

$$C = \pi d$$

↑ ↑
pi key diameter

$$\text{diameter} = 2 \cdot \text{radius}$$