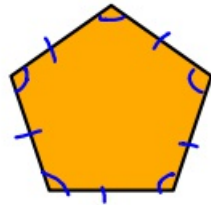


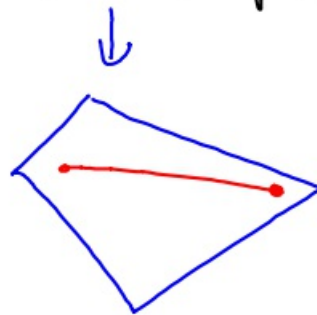
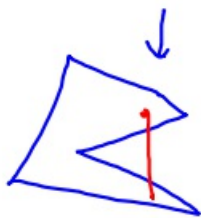
9-18-17 5<sup>th</sup> Geo

Polygons 3  $\rightarrow$  10

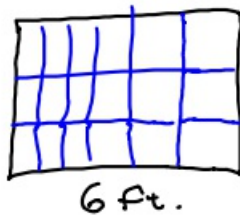


Regular Pentagon

Concave vs. Convex polygons



Area



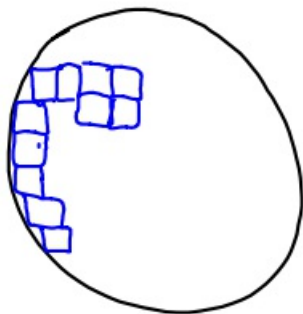
3 ft.

6 ft.



1 ft.  
1 ft.

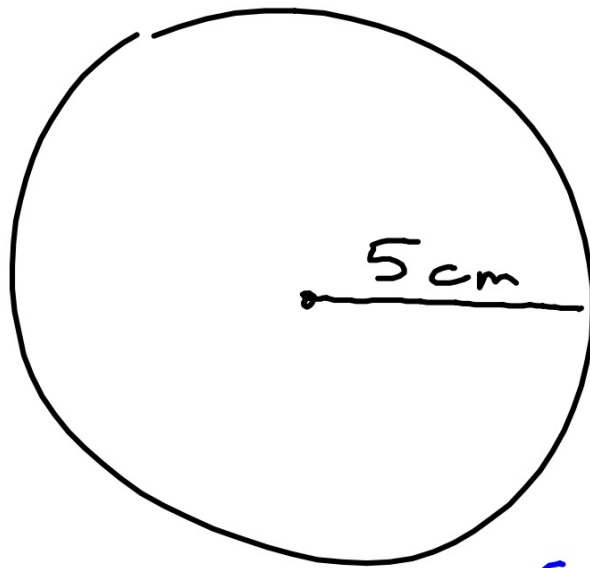
18 ft<sup>2</sup>



$$A = \pi \cdot r^2$$

$$C = \pi \cdot d \text{ or } 2\pi r$$

①



$$A = ?$$

$$C = ?$$

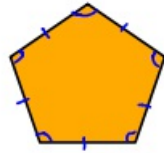
$$\begin{aligned} A &= \pi \cdot r^2 \\ &= \pi \cdot 5^2 \\ &= 25\pi \\ &\approx 78.5 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} C &= \pi \cdot d \\ &= \pi \cdot 10 \\ &= 10\pi \\ &\approx 31.4 \text{ cm} \end{aligned}$$

9-18-17 6<sup>th</sup> Geo

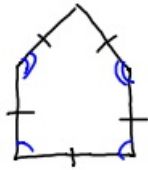
Polygons

3 → 10

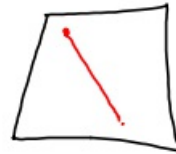
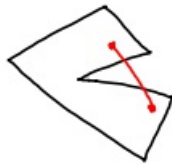


Regular Pentagon

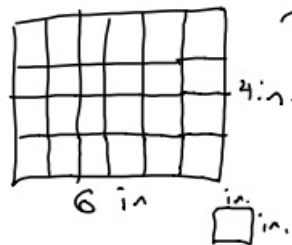
- all sides are =
- all  $\angle$ 's are =



Concave vs. Convex Polygons



AREA

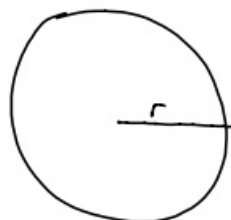


$24 \text{ in}^2$

4 in.

6 in

1 in.



$A = \pi r^2$