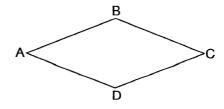
Bellwork Geo Thursday, April 16, 2020

Find the area of each figure to the nearest hundredth.

1. In Rhombus ABCD BD = 24 and DC = 37

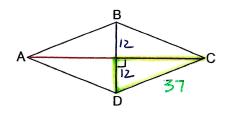


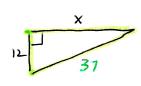
2. A regular Decagon (10-sides) with sides that are each 8 units long.

## Bellwork Geo Thursday, April 16, 2020 Find the area of each figure to the nearest hundredth.

/ Answers

1. In Rhombus ABCD BD = 24 and DC = 37





$$x^{2}+12^{2} = 37^{2}$$

$$x^{2} = 37^{2}-12^{2}$$

$$x = \sqrt{37^{2}-12^{2}}$$

$$x = 35$$

DIAG BD = 24  

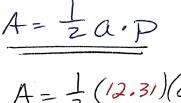
$$VIAG AC = 2(35) = 70$$

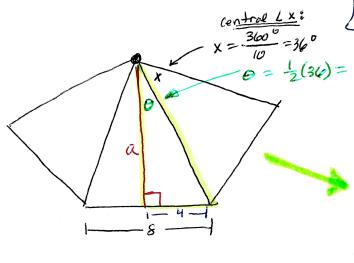
$$A = \frac{1}{2} d_{1} d_{2} = \frac{1}{2} (24) (70)$$

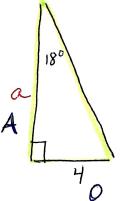
$$A = 840$$

2. A regular Decagon (10-sides) with sides that are each 8 units long.

perimeter = 
$$10(6) = 80$$
  
 $P = 80$ 







SOHCAHTOA

Tan 18° =  $\frac{4}{a}$  a = 12.31