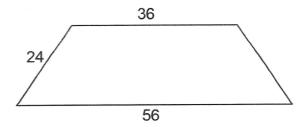
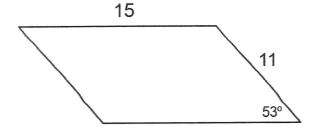
## Bellwork Geo Thursday, March 26, 2020

1. You are high up in a tree hiding from the police. You see a police officer on the ground with an angle of depression of  $23^{\circ}$ . If you are 40 feet off of the ground find the distance the officer is from the base of the tree you are in. Round to the nearest hundredth.

2. Find the area of this Isosceles Trapezoid.



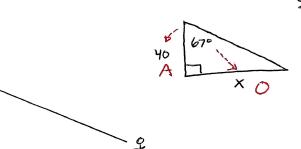
3. Find the area of this Parallelogram.



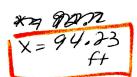
## Bellwork Geo Thursday, March 26, 2020

Answers

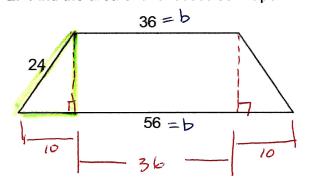
1. You are high up in a tree hiding from the police. You see a police officer on the ground with an angle of depression of 23°. If you are 40 feet off of the ground find the distance the officer is from the base of the tree you are in. Round to the nearest hundredth.

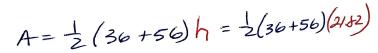


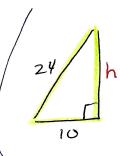
SOHCAH TUA



2. Find the area of this Isosceles Trapezoid.





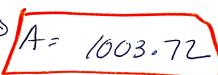


$$h^{2} + 10^{2} = 24^{2}$$

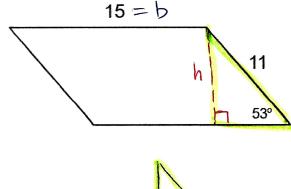
$$h^{2} = 24^{2} - 10^{2}$$

$$h = \sqrt{24^{2} - 10^{2}}$$

$$h = 21.83$$



3. Find the area of this Parallelogram.



$$A = (15)h$$

$$A = (15)(8.78)$$

$$A = /3/.7$$

