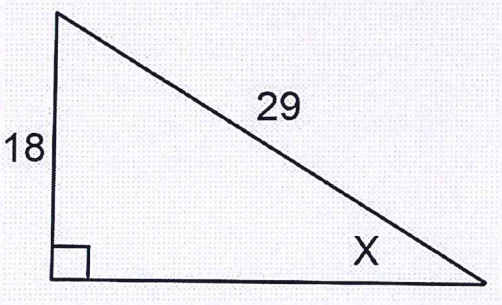
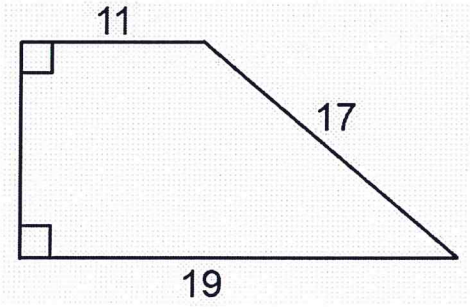
Bellwork Geo Wednesday, March 25, 2020

1. Find the value of x to the nearest hundredth.

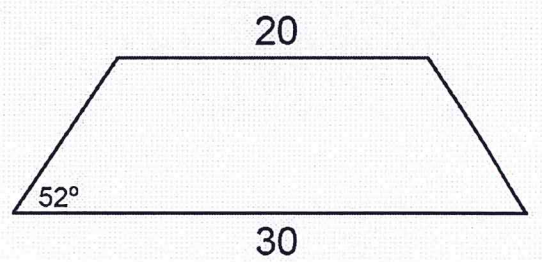


Find the area of each trapezoid.

2.



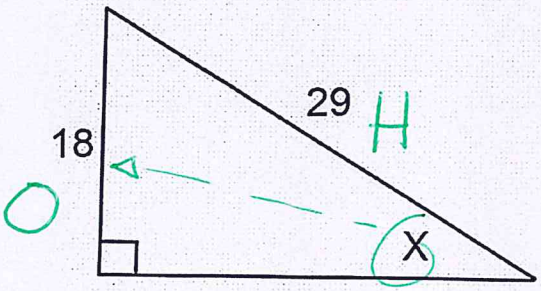
3. This is an Isosceles Trapezoid.



Bellwork Geo Wednesday, March 25, 2020

Answers

1. Find the value of x to the nearest hundredth.



SOHCAH TOA

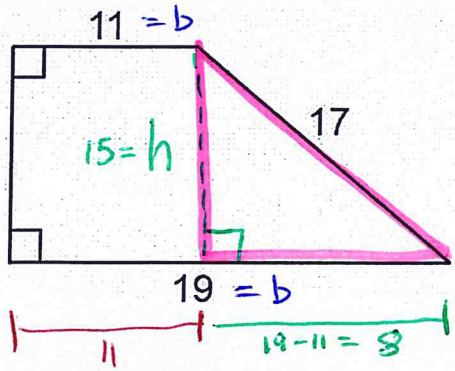
$\sin X = \frac{18}{29}$

$X = \sin^{-1}\left(\frac{18}{29}\right)$

$X = 38.37°$

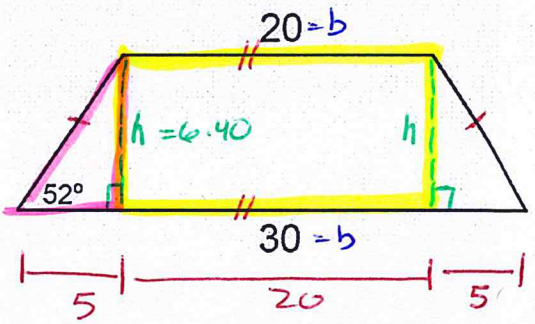
Find the area of each trapezoid.

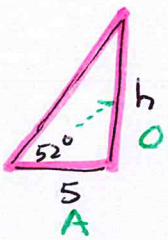
2.



$A = \frac{1}{2}(11+19)(15) = 225$

3. This is an Isosceles Trapezoid.

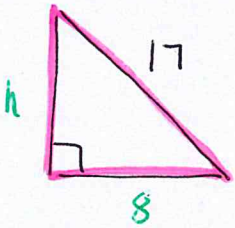




SOHCAH TOA

$5 \cdot \tan 52° = \frac{h}{5} \cdot 5$

$h = 6.40$



$h^2 + 8^2 = 17^2$

$h^2 = 17^2 - 8^2$

$h = \sqrt{17^2 - 8^2}$

$h = 15$

$A = \frac{1}{2}(20+30)(6.40)$

$A = 160$