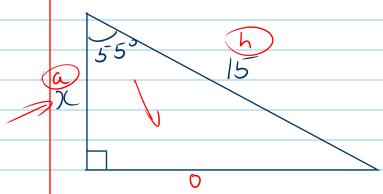
June.7th, 2016

Unit 6 Day 7 6-5 Triangle Area



$$\frac{7}{4 \text{ or } (4 \text{ an } 0) = \text{tor } (\frac{7}{5})}$$

$$15 \cos 55^{\circ} = X$$
. 15
 15
 $X = 15 \cos 55^{\circ}$
 $(x = 8.6)$

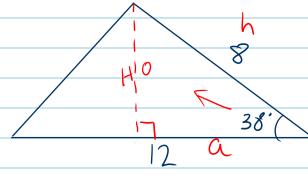
$$0 = +an^{-1}\left(\frac{1}{5}\right)$$

$$0 \approx 54.5^{\circ}$$

$$0 \approx 54.5^{\circ}$$

Triangle Area

3) Find the area of the triangle below:

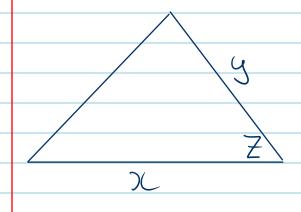


$$A = \frac{1}{2}bH = \frac{bH}{2}$$

 $\sin 38^{\circ} = \frac{H}{8}$
 $H = 85 \text{ in } 38^{\circ}$

$$A = \frac{1}{2}b.H$$

 $A = \frac{1}{2}(12)(8)\sin 38^{\circ}$
 $A = 48\sin 38^{\circ}$
 $A \approx 29.6$



A = 1 xysinZ

80°

 $A = \frac{1}{2} \times 4 \sin 2$ $A = \frac{1}{2} \cos 10 \cos 10$ $A = \frac{1}{2} (12)(10) \sin 50^{\circ}$ $A \approx 46.0^{\circ}$