

# Unit 7 - Warm Up #3 - Radicals & SOHCAHTOA

**Simplify.**

1)  $4\sqrt{10} \cdot 2\sqrt{10}$

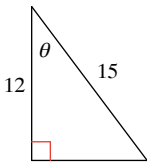
2)  $-3\sqrt{3} \cdot 4\sqrt{9}$

3)  $\frac{\sqrt{15}}{\sqrt{20}}$

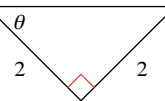
4)  $\frac{5\sqrt{6}}{\sqrt{75}}$

**Find the value of the trig function indicated.**

5)  $\tan \theta$

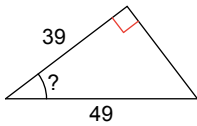


6)  $\tan \theta$

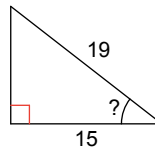


**Find the measure of the indicated angle to the nearest degree.**

7)

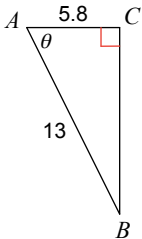


8)

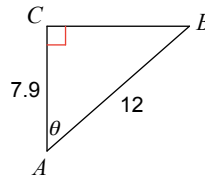


**Find the measure of each angle indicated. Round to the nearest tenth.**

9)

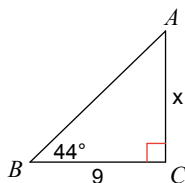


10)



**Find the measure of each side indicated. Round to the nearest tenth.**

11)



12)

