

Name \_\_\_\_\_

Period \_\_\_\_\_ Date \_\_\_\_\_

## Homework 3.7

**Find each angle measure to the nearest degree.**

1)  $\sin B = 0.4848$

2)  $\sin A = 0.5150$

3)  $\cos A = 0.7431$

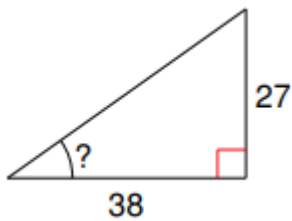
4)  $\cos W = 0.6157$

5)  $\cos A = 0.5878$

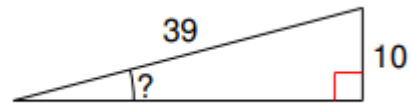
6)  $\tan W = 19.0811$

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

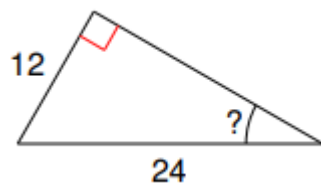
7)



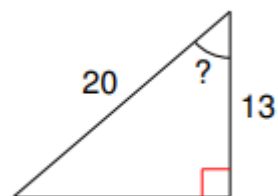
8)



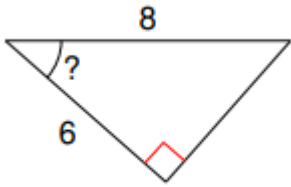
9)



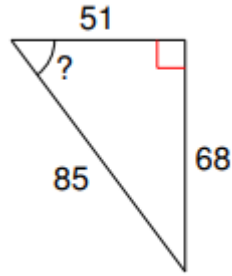
10)



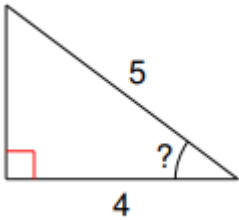
11)



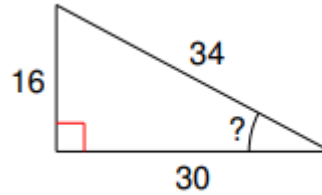
12)



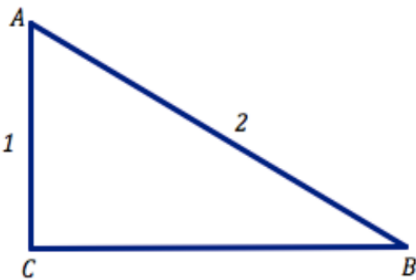
13)



14)



15) Find the missing side (leave it as a square root), write all of the Trigonometric Ratios, then find the missing angles (using inverse trig functions)



$$\sin(A) =$$

$$\cos(A) =$$

$$\tan(A) =$$

$$\sin(B) =$$

$$\cos(B) =$$

$$\tan(B) =$$

$$m\angle A =$$

$$m\angle B =$$

$$m\angle C = 90^\circ$$