Foundations of Math and Pre-Calculus 10 Name:_____

Primary Trig Ratios

Block:____ Mark Out of 20_____

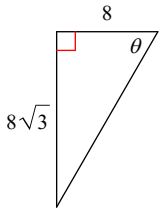
Find the value of each. Round your answers to the nearest ten-thousandth.

1) cos 83°

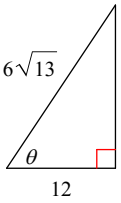
2) tan 20°

Find the value of the trig function indicated.

3) sin θ



4) cos θ



5) Find sin θ if tan $\theta = \frac{3}{4}$

6) Find cos θ if sin $\theta = \frac{4}{5}$

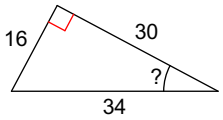
Find each angle measure to the nearest degree.

7) cos X = 0.5000

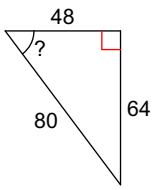
8) sin B = 0.6691

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

9)

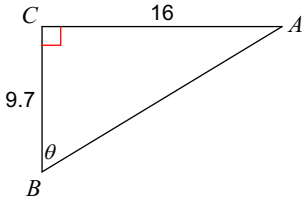


10)

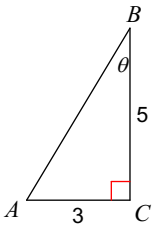


Find the measure of each angle indicated. Round to the nearest tenth.

11)

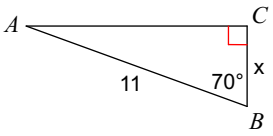


12)

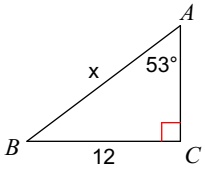


Find the measure of each side indicated. Round to the nearest tenth.

13)



14)



In each problem, angle C is a right angle. Find the angle indicated to the nearest tenth.

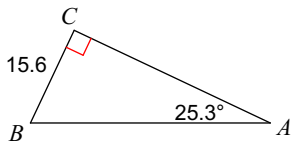
15) Find $m\angle B$ if $a = 15,\ c = 16$

In each problem, angle C is a right angle. Find the side indicated to the nearest tenth.

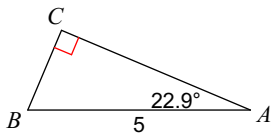
16) Find c if $b = 10,\ m\angle B = 34°$

Solve each triangle. Round answers to the nearest tenth.

17)



18)



In each problem, angle C is a right angle. Solve each triangle rounding answers to the nearest tenth.

19) $m\angle B = 44°,\ b = 11.2$

20) $b = 8,\ c = 14.8$