

Inverse Trigonometric Ratios

Find each angle measure to the nearest hundredth.

1) $\sin B = 0.4848$

2) $\sin A = 0.5150$

3) $\cos A = 0.7431$

4) $\cos W = 0.6157$

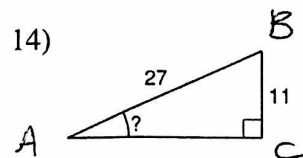
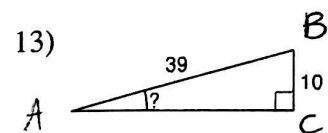
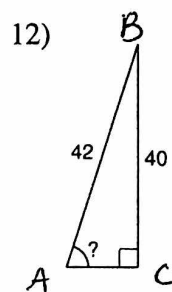
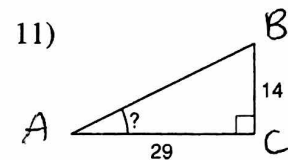
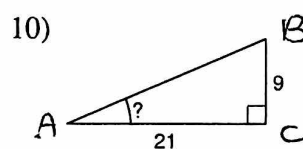
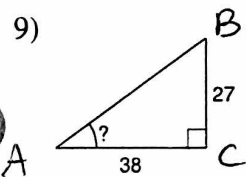
5) $\cos A = 0.5878$

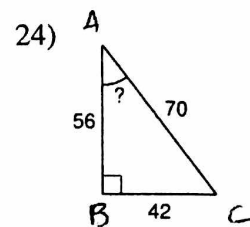
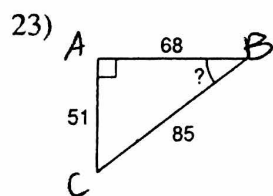
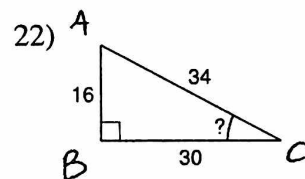
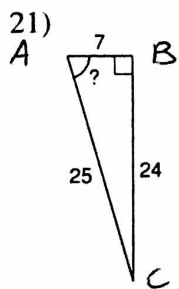
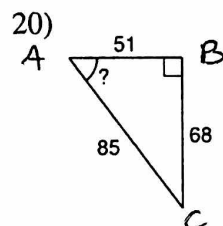
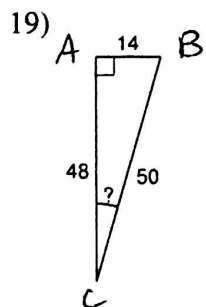
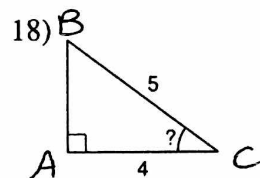
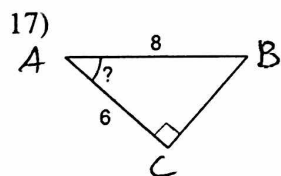
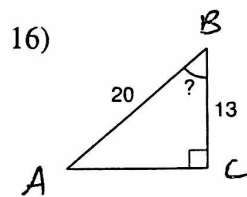
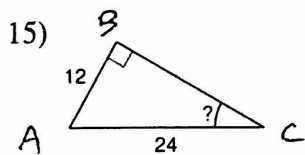
6) $\tan W = 19.0811$

7) $\cos A = 0.4226$

8) $\tan W = 0.5317$

Solve each triangle. Round all answers to nearest hundredth.





Critical thinking questions:

25) Find an angle x where $\sin x = \cos x$.

26) Draw and label all three sides of a right triangle that has a 40° angle and a hypotenuse of 10 cm.