

Inverse Trigonometric Ratios

Find each angle measure to the nearest degree.

1) $\sin B = 0.4848$
 29°

2) $\sin A = 0.5150$
 31°

3) $\cos A = 0.7431$
 42°

4) $\cos W = 0.6157$
 52°

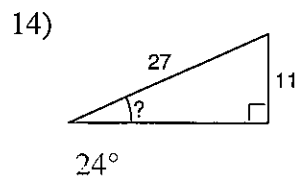
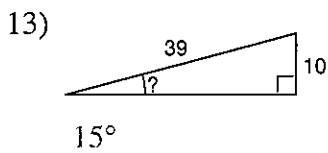
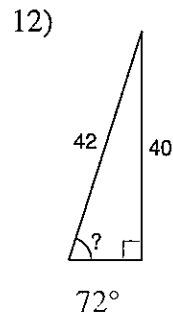
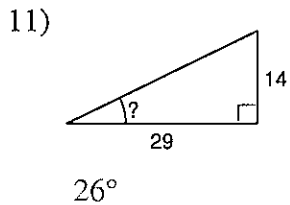
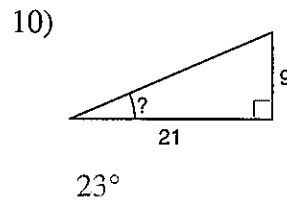
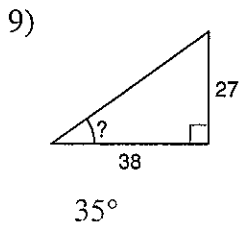
5) $\cos A = 0.5878$
 54°

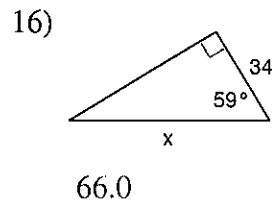
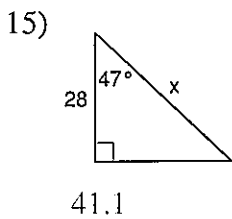
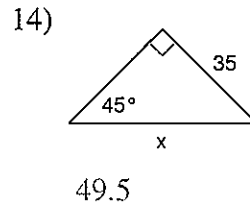
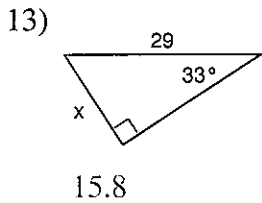
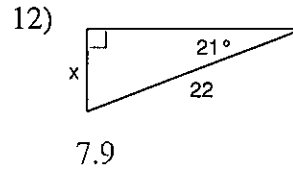
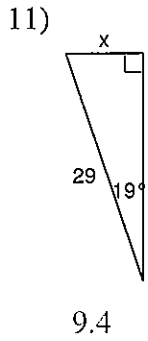
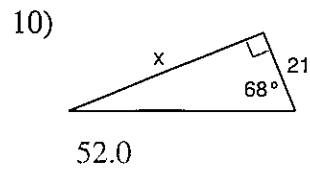
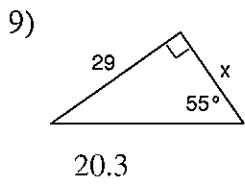
6) $\tan W = 19.0811$
 87°

7) $\cos A = 0.4226$
 65°

8) $\tan W = 0.5317$
 28°

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





Critical thinking question:

17) Write a new problem that is similar to the others on this worksheet. Solve the question you wrote.

Many answers.