Name_____

Inverse Trigonometric Ratios

Date_____ Period_____

Find each angle measure to the nearest degree.

1) sin B = 0.4848

2) sin A = 0.5150

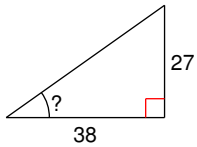3) cos A = 0.7431

4) cos W = 0.6157

5) cos A = 0.5878
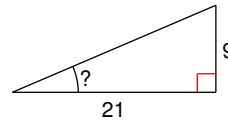
6) tan W = 19.0811

7) cos A = 0.4226

8) tan W = 0.5317

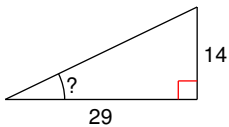**Find the measure of the indicated angle to the nearest degree.**

9)

10)

11)

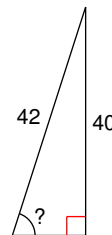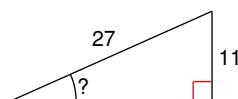
12)

13)

14)

15)

16)

17)

18)

19)

20)

21)

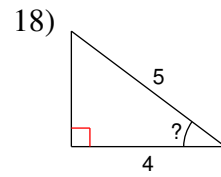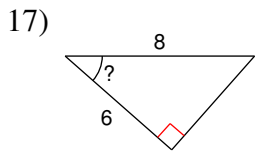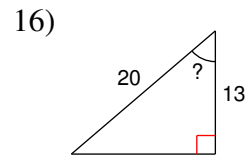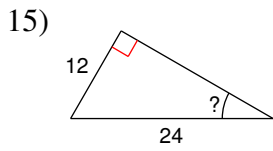22)

23)
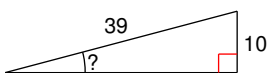
24)
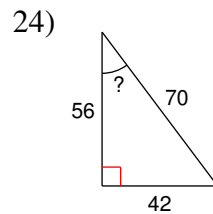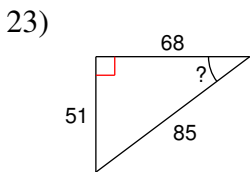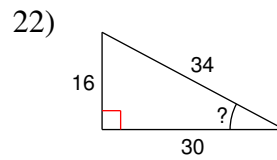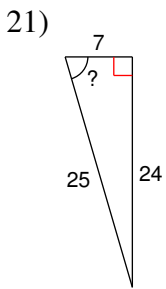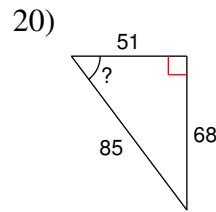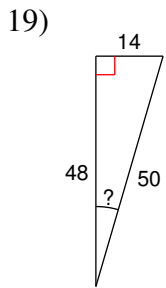
Critical thinking questions:

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.