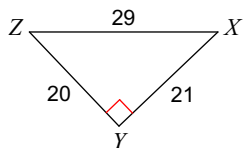


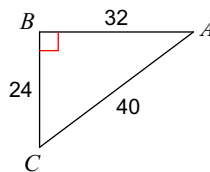
Unit 7.2 Sine and Cosine Ratios EXAMPLE

Find the value of each trigonometric ratio.

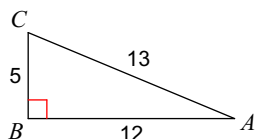
1) $\sin Z$



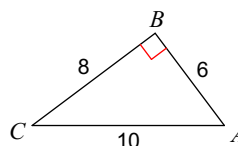
2) $\cos A$



3) $\cos C$

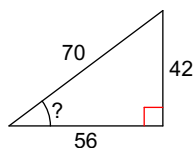


4) $\cos C$

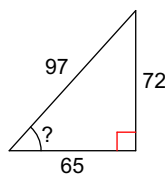


Find the measure of the indicated angle to the nearest degree.

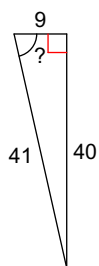
5)



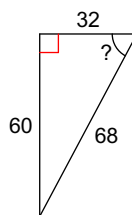
6)



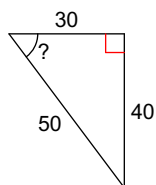
7)



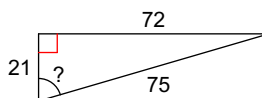
8)



9)

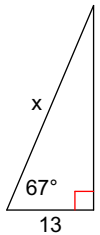


10)



Find the missing side. Round to the nearest tenth.

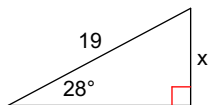
11)



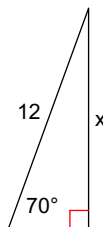
12)



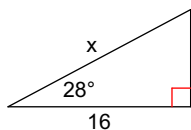
13)



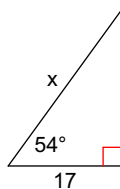
14)



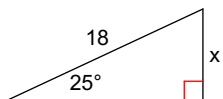
15)



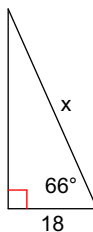
16)



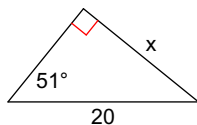
17)



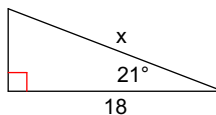
18)



19)



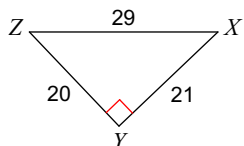
20)



Unit 7.2 Sine and Cosine Ratios EXAMPLE

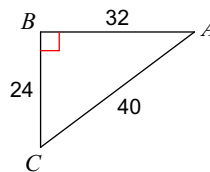
Find the value of each trigonometric ratio.

1) $\sin Z$



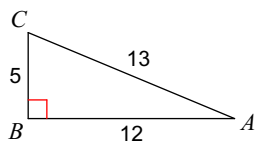
$$\frac{21}{29}$$

2) $\cos A$



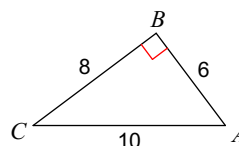
$$\frac{4}{5}$$

3) $\cos C$



$$\frac{5}{13}$$

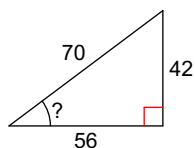
4) $\cos C$



$$\frac{4}{5}$$

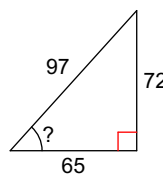
Find the measure of the indicated angle to the nearest degree.

5)



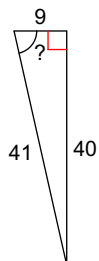
$$37^\circ$$

6)



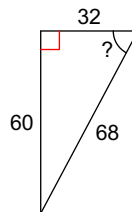
$$48^\circ$$

7)



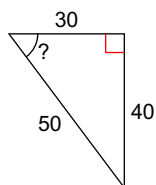
$$77^\circ$$

8)



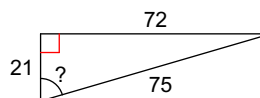
$$62^\circ$$

9)



$$53^\circ$$

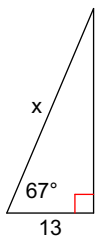
10)



$$74^\circ$$

Find the missing side. Round to the nearest tenth.

11)



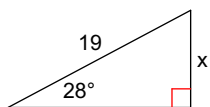
33.3

12)



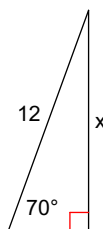
33.8

13)



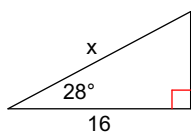
8.9

14)



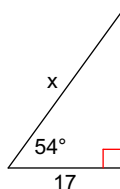
11.3

15)



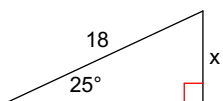
18.1

16)



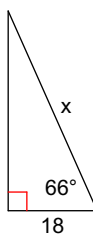
28.9

17)



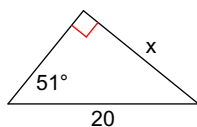
7.6

18)



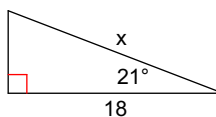
44.3

19)



15.5

20)



19.3