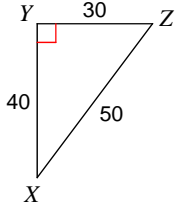


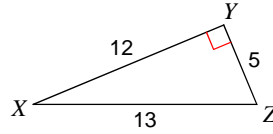
FER #1--Solving Right Triangles

Find the value of each trigonometric ratio.

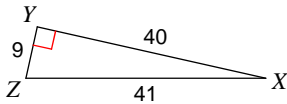
1) $\cos Z = \frac{3}{5}$



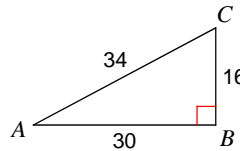
2) $\cos X = \frac{12}{13}$



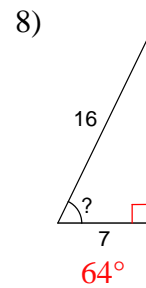
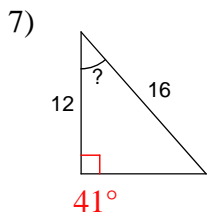
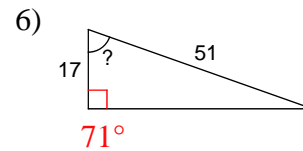
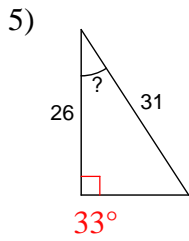
3) $\cos Z = \frac{9}{41}$



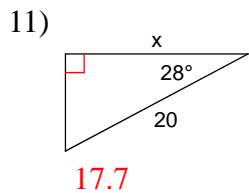
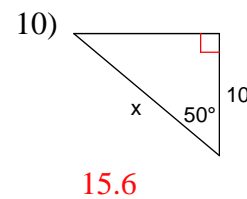
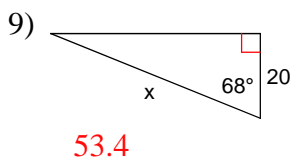
4) $\cos A = \frac{15}{17}$



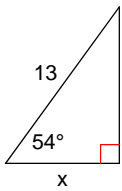
Find the measure of the indicated angle to the nearest degree.



Find the missing side. Round to the nearest tenth.



12)

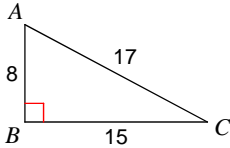


7.6

Find the value of each trigonometric ratio.

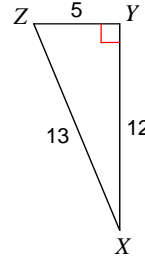
13) $\sin C$

$\frac{8}{17}$



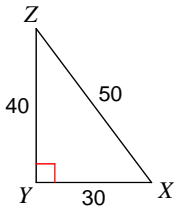
14) $\sin Z$

$\frac{12}{13}$



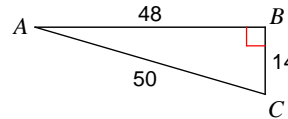
15) $\sin X$

$\frac{4}{5}$



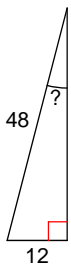
16) $\sin C$

$\frac{24}{25}$



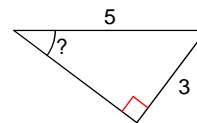
Find the measure of the indicated angle to the nearest degree.

17)



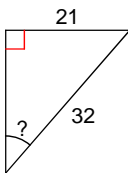
14°

18)



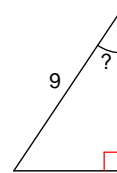
37°

19)



41°

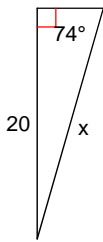
20)



34°

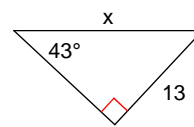
Find the missing side. Round to the nearest tenth.

21)



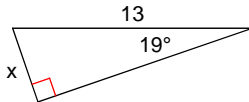
20.8

22)



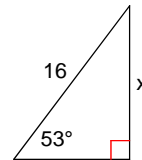
19.1

23)



4.2

24)

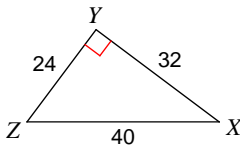


12.8

Find the value of each trigonometric ratio.

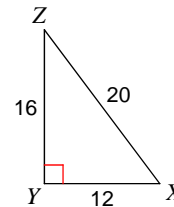
25) $\tan Z$

$\frac{4}{3}$



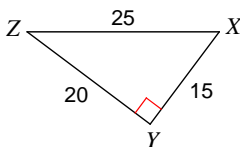
26) $\tan X$

$\frac{4}{3}$



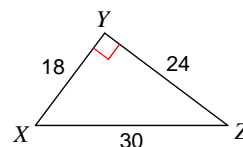
27) $\tan Z$

$\frac{3}{4}$



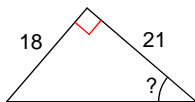
28) $\tan Z$

$\frac{3}{4}$



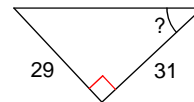
Find the measure of the indicated angle to the nearest degree.

29)



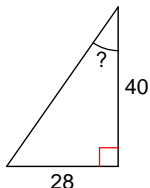
41°

30)



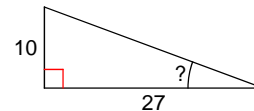
43°

31)



35°

32)



20°

Find the missing side. Round to the nearest tenth.

