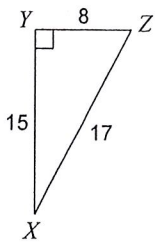


Quiz - Trigonometry

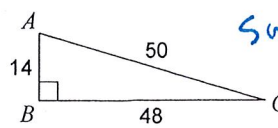
Find the value of each trigonometric ratio. Answer should be a simplified fraction.

1) $\cos Z$



$\cos Z = \frac{8}{17}$

2) $\sin A$



$\sin A = \frac{48}{50} = \frac{24}{25}$

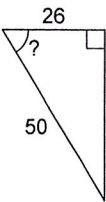
Find the value of each trigonometric ratio to the nearest ten-thousandth. 4 decimal places.

3) $\cos 84^\circ \approx .1045$

4) $\tan 8^\circ \approx .1405$

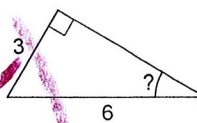
Find the measure of the indicated angle to the nearest tenth of a degree.

5)



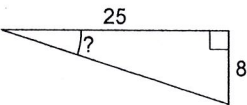
$\cos^{-1}\left(\frac{26}{50}\right) \approx 58.7^\circ$

6)



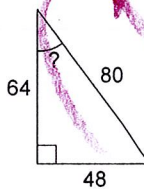
$\sin^{-1}\left(\frac{3}{6}\right) = 30^\circ$

7)



$\tan^{-1}\left(\frac{8}{25}\right) \approx 17.7^\circ$

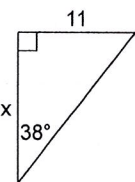
8)



36.9°

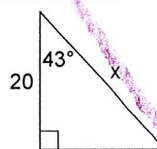
Find the missing side. Round to the nearest tenth.

9)



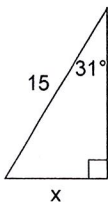
$\frac{11}{\tan(38)} \approx 14.1$

10)



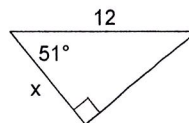
$\frac{20}{\cos 43} \approx 27.3$

11)



$15 \sin(31) \approx 7.7$

12)

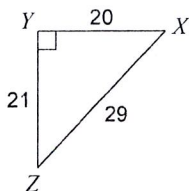


$12 \cos 51 = x \approx 7.6$

Quiz - Trigonometry

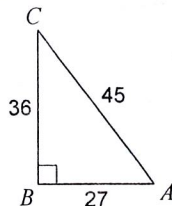
Find the value of each trigonometric ratio. Answer should be a simplified fraction.

1) $\cos Z$



$\cos Z = \frac{21}{29}$

2) $\tan C$



$\frac{27}{36} = \frac{3}{4}$

Find the value of each trigonometric ratio to the nearest ten-thousandth. 4 decimal places.

3) $\cos 24^\circ$

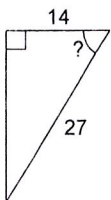
.9135

4) $\tan 8^\circ$

.1405

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

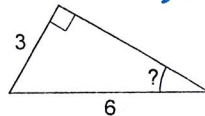
5)



$\cos \theta = \frac{14}{27}$

58.8

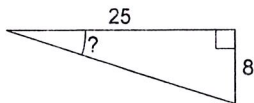
6)



$\sin \theta = \frac{3}{6}$

30.0

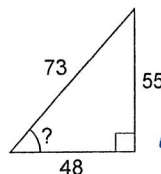
7)



$\tan \theta = \frac{8}{25}$

17.7

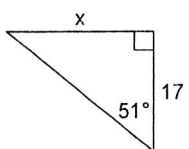
8)



48.9

Find the missing side. Round to the nearest tenth.

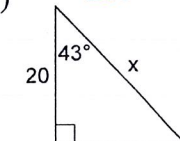
9)



$\tan 51 = \frac{x}{17}$

20.99

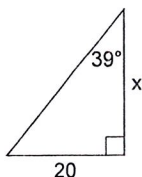
10)



$\cos 43 = \frac{20}{x}$

27.3

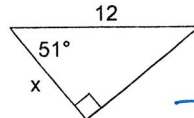
11)



$\tan 39 = \frac{20}{x}$

24.7

12)



$\cos 51 = \frac{x}{12}$

7.55