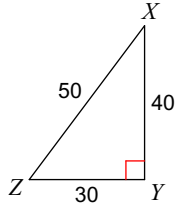


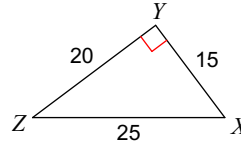
# Unit 7.1 Tangent Ratios EXAMPLE

**Find the value of each trigonometric ratio.**

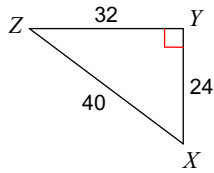
1)  $\tan Z$



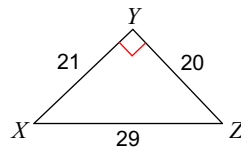
2)  $\tan Z$



3)  $\tan Z$

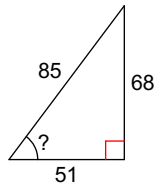


4)  $\tan Z$

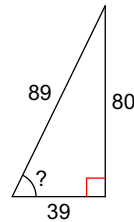


**Find the measure of the indicated angle to the nearest degree.**

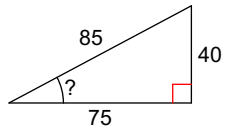
5)



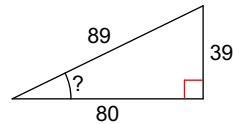
6)



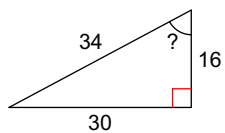
7)



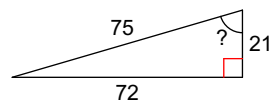
8)



9)

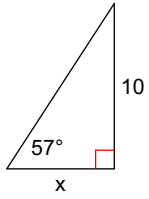


10)

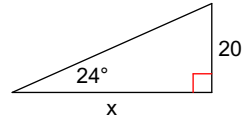


Find the missing side. Round to the nearest tenth.

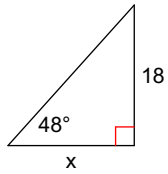
11)



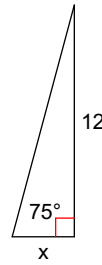
12)



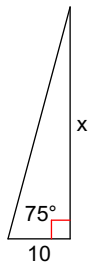
13)



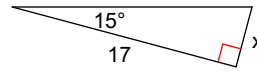
14)



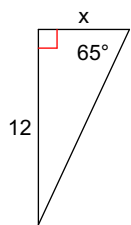
15)



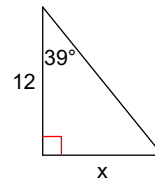
16)



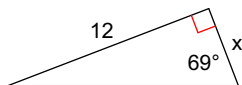
17)



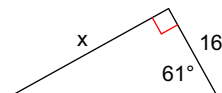
18)



19)



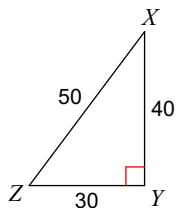
20)



# Unit 7.1 Tangent Ratios EXAMPLE

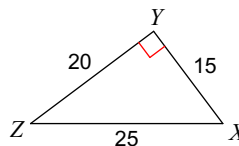
Find the value of each trigonometric ratio.

1)  $\tan Z$



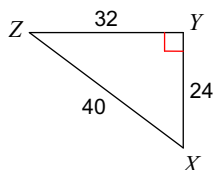
$\frac{4}{3}$

2)  $\tan Z$



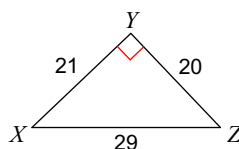
$\frac{3}{4}$

3)  $\tan Z$



$\frac{3}{4}$

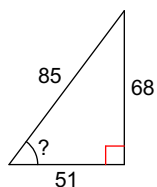
4)  $\tan Z$



$\frac{21}{20}$

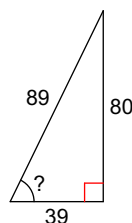
Find the measure of the indicated angle to the nearest degree.

5)



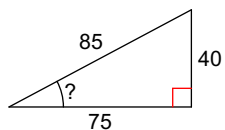
$53^\circ$

6)



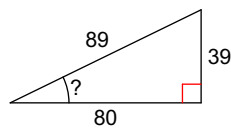
$64^\circ$

7)



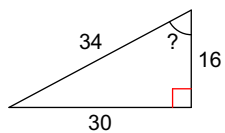
$28^\circ$

8)



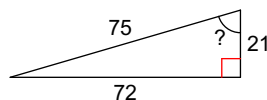
$26^\circ$

9)



$62^\circ$

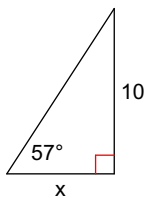
10)



$74^\circ$

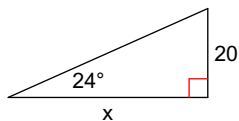
**Find the missing side. Round to the nearest tenth.**

11)



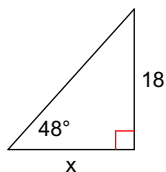
6.5

12)



44.9

13)



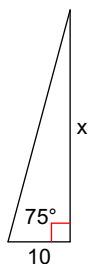
16.2

14)



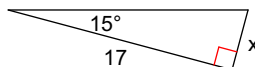
3.2

15)



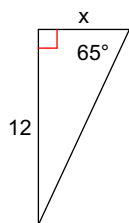
37.3

16)



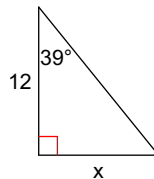
4.6

17)



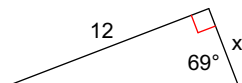
5.6

18)



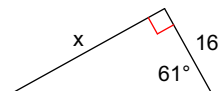
9.7

19)



4.6

20)



28.9