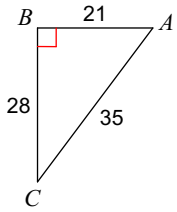
Algebra 2 Name_____

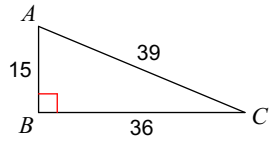
Right Triangle Trig Ratios (SOH CAH TOA) WS #4 Date_____ Period____

Find the value of each trigonometric ratio.

1) sin *A*

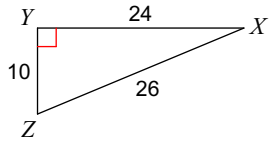


2) tan *A*

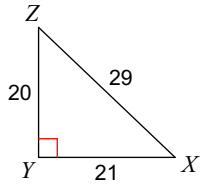


Find the value of each trigonometric ratio to the nearest ten-thousandth.

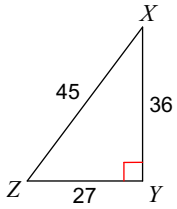
3) tan *X*



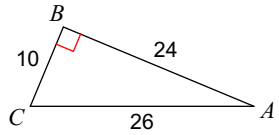
4) sin *X*



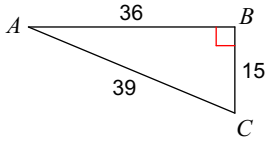
5) cos *Z*



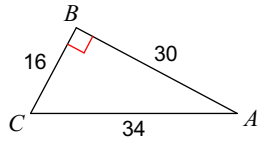
6) cos *C*



7) sin *C*



8) sin *C*



9) cos 10°

10) sin 83°

11) tan 34°

12) tan 76°

13) tan 88°

14) tan 69°

15) cos 50°

16) sin 38°

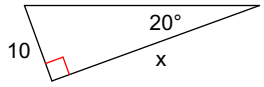
17) tan 64°

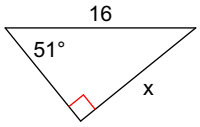
18) tan 71°

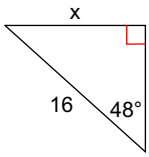
19) sin 31°

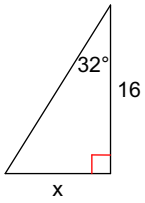
20) sin 42°

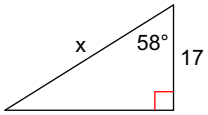
Find the missing side. Round to the nearest tenth.

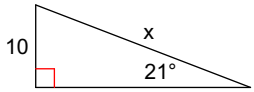
21) 

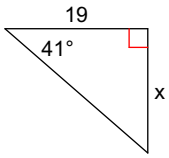
22) 

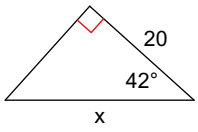
23) 

24) 

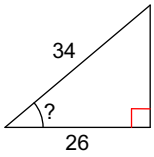
25) 

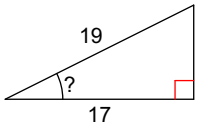
26) 

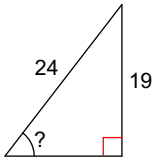
27) 

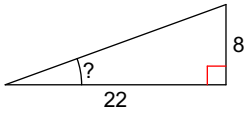
28) 

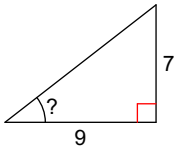
Find the measure of the indicated angle to the nearest degree.

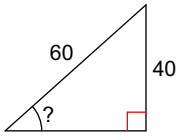
29) 

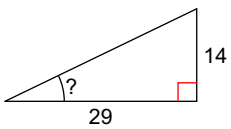
30) 

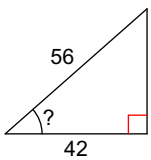
31) 

32) 

33) 

34) 

35) 

36) 

Answers to Right Triangle Trig Ratios (SOH CAH TOA) WS #4

1) $\frac{4}{5}$	2) $\frac{12}{5}$	3) 0.4167	4) 0.6897
5) 0.6000	6) 0.3846	7) 0.9231	8) 0.8824
9) 0.9848	10) 0.9925	11) 0.6745	12) 4.0108
13) 28.6363	14) 2.6051	15) 0.6428	16) 0.6157
17) 2.0503	18) 2.9042	19) 0.5150	20) 0.6691
21) 27.5	22) 12.4	23) 11.9	24) 10.0
25) 32.1	26) 27.9	27) 16.5	28) 26.9
29) 40°	30) 27°	31) 52°	32) 20°
33) 38°	34) 42°	35) 26°	36) 41°