Kuta Software - Infinite Algebra 1
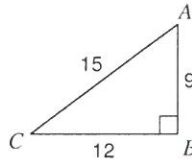
Name_____

Finding Trigonometric Ratios

Date_____ Period____

Find the value of each trigonometric ratio to the nearest ten-thousandth.
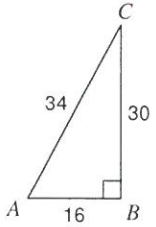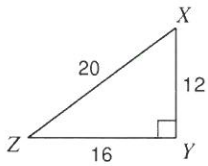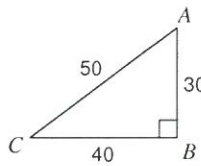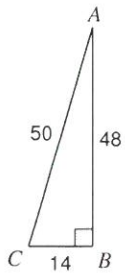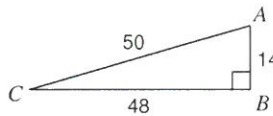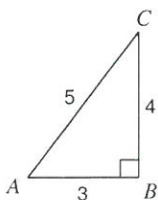
1) tan *A*

1.8750

2) cos *C*

.8000

3) sin *Z*

.6000

4) sin *C*

.6000

5) sin *C*

.9600

6) sin *C*

.2800

7) cos *A*

.6000

8) cos *X*

.8000

9) cos A

B
27 ⊿ 36
C —— 45 —— A

.8000

10) cos Z

Y —— 20 —— X
15
25
Z

.6000

11) sin Z

X
30 / 18
Z —— 24 —— Y

.6000

12) sin C

B —— 36 —— A
27
45
C

.8000

13) cos X

Z
15 / 17
Y —— 8 —— X

.4706

14) tan A

B
30 / 40
C —— 50 —— A

.7500

15) tan X

Y —— 24 —— Z
18
30
X

1.3333

16) tan X

X
20
25
Y —— 15 —— Z
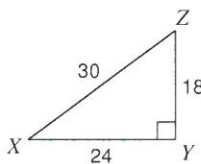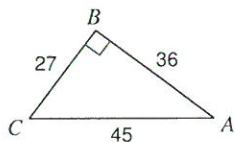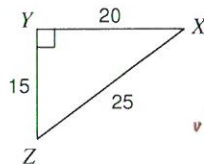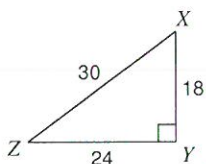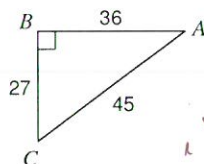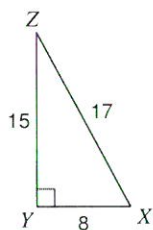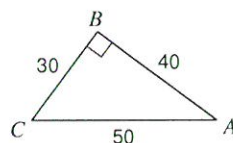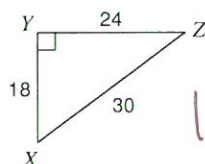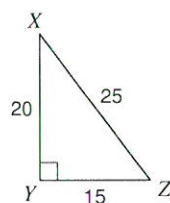
.7500

Use a calculator to find the value of each to the nearest ten-thousandth.

17) sin 21°

.3584

18) tan 22°

.4040

19) cos 20°

.9397

20) sin 77°

.9744

21) tan 17°

.3057

22) cos 87°

.0523

–2–