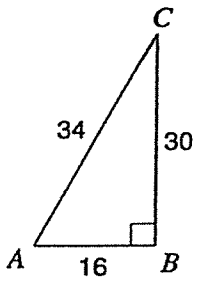
Name: _____ Hour: _____ Date: _____

Trig Ratios Practice (reduce)

Write the given trig ratios for each of the following triangles. If necessary, simplify your results.

1)

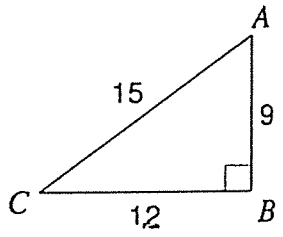


Sin A = Sin C =

Cos A = Cos C =

Tan A = Tan C =

2)

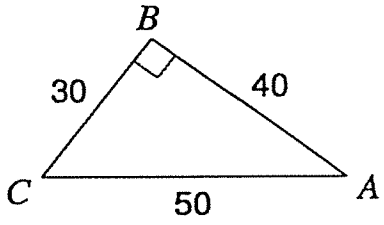


Sin A = Sin C =

Cos A = Cos C =

Tan A = Tan C =

3)

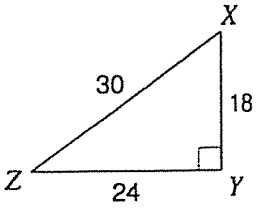


Sin A = Sin C =

Cos A = Cos C =

Tan A = Tan C =

4)

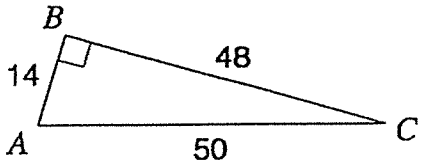


Sin X = Sin Z =

Cos X = Cos Z =

Tan X = Tan Z =

5)

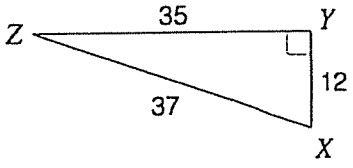


Sin A = Sin C =

Cos A = Cos C =

Tan A = Tan C =

6)



Sin X = Sin Z =

Cos X = Cos Z =

Tan X = Tan Z =

DIRECTIONS: Convert the following degree measures into radian measures.

1. $-300°$ **2.** $150°$ **3.** $-90°$

DIRECTIONS: Convert the following radian measures into degree measures.

7. 3π radians **8.** $\frac{11\pi}{10}$ radians **9.** $-\frac{2\pi}{3}$ radians

DIRECTIONS: Sketch and label the reference triangle for the following angles.

10) $150°$ 11) $300°$ 12) $225°$

13) $-210°$ 14) $-315°$ 15) $-60°$