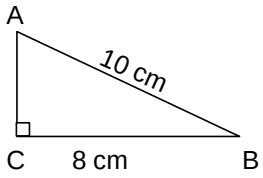
HW4W 2 sin, cos, and tan Name: _____

Find the missing side of each right triangle to the nearest tenth. Write each trig ratio as a fraction, no need to simplify fractional answers.

1.



a. sin A = _____

b. cos A = _____

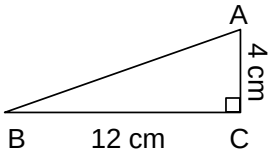
c. sin B = _____

d. cos B = _____

e. tan A = _____

f. tan B = _____

2.



g. sin A = _____

h. cos A = _____

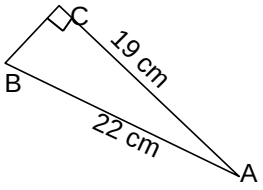
i. sin B = _____

j. cos B = _____

k. tan A = _____

l. tan B = _____

3.



m. sin A = _____

n. cos B = _____

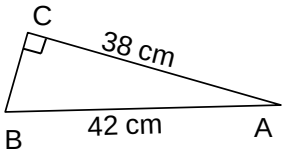
o. sin B = _____

p. cos A = _____

q. tan B= _____

r. tan A = _____

4.



s. sin A = _____

t. cos B = _____

u. sin B = _____

v. cos A = _____

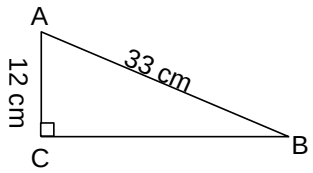
w. tan A = _____

x. tan B = _____

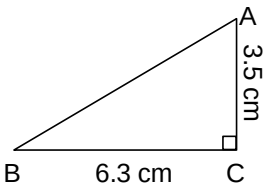
HW4W 2 sin, cos, and tan Name: _____

Find the missing side of each right triangle to the nearest tenth. Write each trig ratio as a fraction, no need to simplify fractional answers.

5.



6.



y. sin A = _____

z. sin B = _____

aa. cos A = _____

bb. cos B = _____

cc. tan A = _____

dd. tan B = _____

ee. sin B = _____

ff. cos A = _____

gg. sin A = _____

hh. cos B = _____

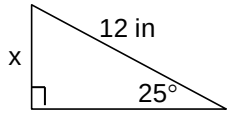
ii. tan B = _____

jj. tan A = _____

HW4W 3 Find the Missing Side Name: _____

Follow the directions as given below for each problem. Round answers to 2 decimal places.

1.



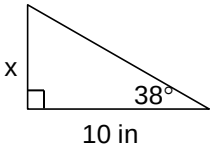
x = _____

a. Label all sides of the triangle using the marked angle.

b. Using the side given and the side we are looking for we will use _____.

c. Set up the trig ratio and solve. Show work

2.



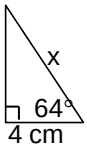
x = _____

a. Label all sides of the triangle using the marked angle.

b. Using the side given and the side we are looking for we will use _____.

c. Set up the trig ratio and solve. Show work.

3.



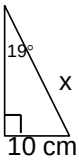
x = _____

a. Label all sides of the triangle using the marked angle.

b. Using the side given and the side we are looking for we will use _____.

c. Set up the trig ratio and solve. Show work.

4.



x = _____

a. Label all sides of the triangle using the marked angle.

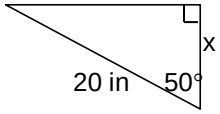
b. Using the side given and the side we are looking for we will use _____.

c. Set up the trig ratio and solve. Show work.

HW4W 3 Find the Missing Side Name: _____

Follow the directions as given below for each problem. Round answers to 2 decimal places.

5.



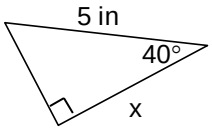
x = _____

a. Label all sides of the triangle using the marked angle.

b. Using the side given and the side we are looking for we will use _____.

c. Set up the trig ratio and solve. Show work.

6.



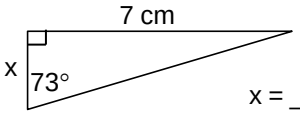
x = _____

a. Label all sides of the triangle using the marked angle.

b. Using the side given and the side we are looking for we will use _____.

c. Set up the trig ratio and solve. Show work.

7.



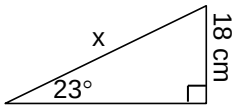
x = _____

a. Label all sides of the triangle using the marked angle.

b. Using the side given and the side we are looking for we will use _____.

c. Set up the trig ratio and solve.

8.



x = _____

a. Label all sides of the triangle using the marked angle.

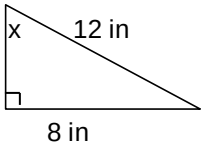
b. Using the side given and the side we are looking for we will use _____.

c. Set up the trig ratio and solve.

HW4W 4 Find the Missing Angle (or side) Name: _____

Follow the directions as given below for each problem. Round answers to 1 decimal place.

1.



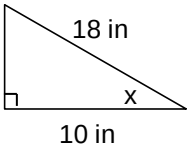
x = _____

d. Label all sides of the triangle using the marked angle.

e. Using the sides given we will use _____.

f. Set up the trig ratio and solve. Show work.

2.



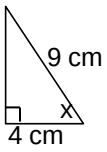
x = _____

j. Label all sides of the triangle using the marked angle.

k. Using the sides given we will use _____.

l. Set up the trig ratio and solve. Show work.

3.



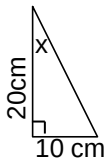
x = _____

g. Label all sides of the triangle using the marked angle.

h. Using the sides given we will use _____.

i. Set up the trig ratio and solve. Show work.

4.



x = _____

m. Label all sides of the triangle using the marked angle.

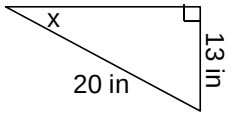
n. Using the sides given we will use _____.

o. Set up the trig ratio and solve. Show work.

HW4W 4 Find the Missing Angle (or side) Name: _____

Follow the directions as given below for each problem. Round answers to 1 decimal place.

5.



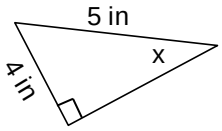
x = _____

p. Label all sides of the triangle using the marked angle.

q. Using the sides given we will use _____.

r. Set up the trig ratio and solve. Show work.

6.



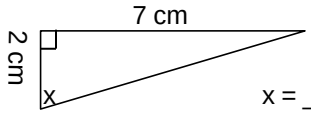
x = _____

v. Label all sides of the triangle using the marked angle.

w. Using the sides given we will use _____.

x. Set up the trig ratio and solve. Show work.

7.



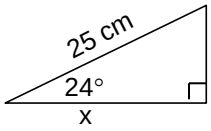
x = _____

s. Label all sides of the triangle using the marked angle.

t. Using the sides given we will use _____.

u. Set up the trig ratio and solve. Show work.

8.



x = _____

y. Label all sides of the triangle using the marked angle.

z. Using the side given and the side we are looking for we will use _____.

aa. Set up the trig ratio and solve. Show work.