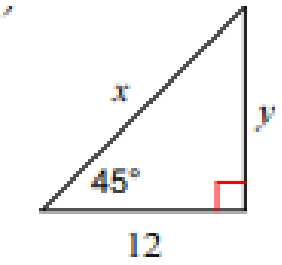
Station # 1

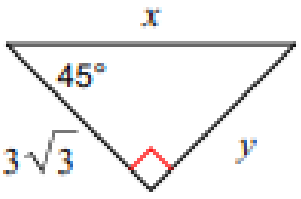
- Identify the missing sides as the leg or hypotenuse.
- Calculate the missing values.
- Draw a picture when necessary.



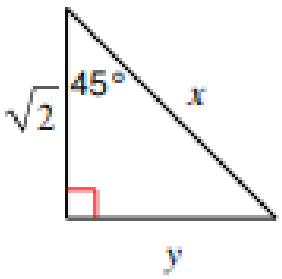
1)

3) My hypotenuse is $5\sqrt{2}$

What are my legs?



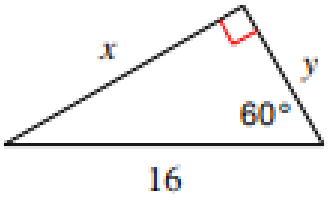
2)



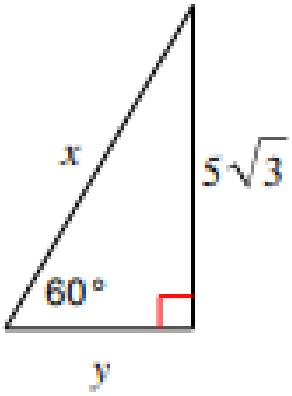
4)

Station # 2

- Identify the missing sides as the short leg (SL), long leg (LL) or hypotenuse (HYP).
- Calculate the missing values.
- Draw a picture when necessary.

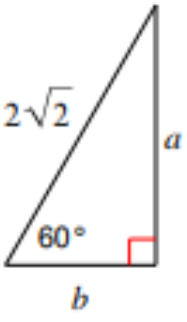


1)



3)

2) My short leg is $6\sqrt{3}$.
Find my hypotenuse and my long leg.

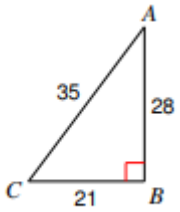


4)

Station # 3

- Identify the hypotenuse (hyp).
- Identify the sides as opposite (opp) or adjacent (adj) from the given angle.
- Find the ratio for each trig function.
- Remember to simplify your ratio into lowest terms.

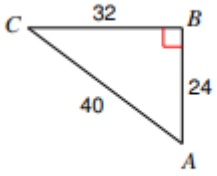
1)



cos C =

sin A =

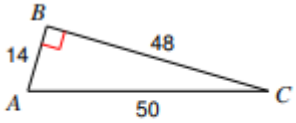
2)



cos A =

tan C =

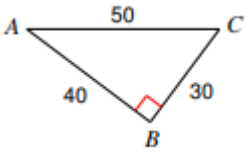
3)



sin A =

tan C =

4)



cos A =

sin C =

Station # 4

- Convert each degree measure to radians
- Convert each radian angle measure to degrees

1) $-\frac{16\pi}{3}$

2) $150°$

3) $-\frac{3\pi}{2}$

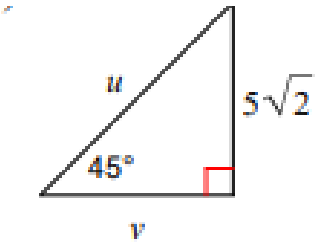
4) $165°$

5) $\frac{7\pi}{4}$

6) $-520°$

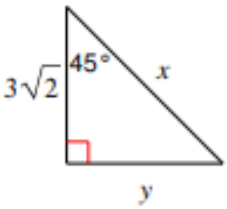
Station # 5

- Identify the missing sides as the leg or hypotenuse.
- Calculate the missing values.
- Draw a picture if necessary.

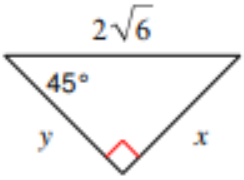


1)

2) My leg is $7\sqrt{5}$.
What is my other leg?
What is my hypotenuse?



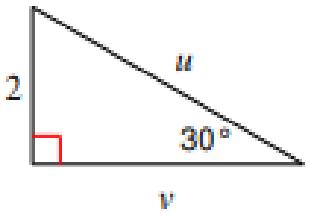
3)



4)

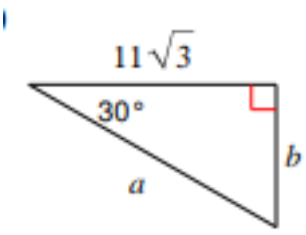
Station # 6

- Identify the missing sides as the short leg (SL), long leg (LL) or hypotenuse (HYP).
- Calculate the missing values.
- Draw a picture when necessary.

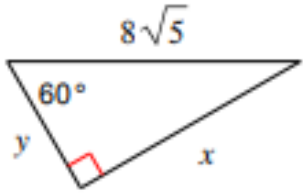


1)

2) My hypotenuse is 14. Find my short leg and my long leg.



3)



4)

Station # 7

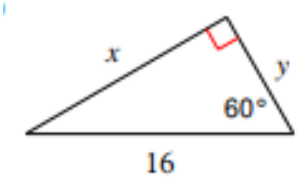
- Identify the hypotenuse of the right triangle
- Identify the opposite (opp) and adjacent (adj) sides from the given angle
- Draw a picture if necessary
- Find the given Trig ratios.

1) My sin is $\frac{4}{5}$

My tan is $\frac{4}{3}$

What is my cos?

2)



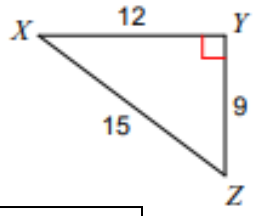
Sin 30° =

2) Sin A is $\frac{5}{13}$

Sin B is $\frac{12}{13}$

What is Cos B?

4)



Cos X =

Tan Z =

Station # 8

- Convert each degree measure to radians
- Convert each radian angle measure to degrees

1) 630^0

2) $\frac{\mathbf{13\pi}}{\mathbf{3}}$

3) -15^0

4) Radians in ½ a circle

5) Degrees in 2 circles

6) $\frac{\mathbf{11\pi}}{\mathbf{9}}$

Student Recording Sheet

Station #1	Station #2	Station #3	Station #4

Station #5	Station #6	Station #7	Station #8