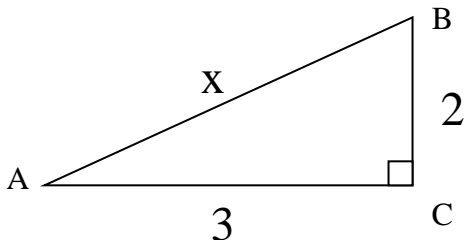


Name: _____ Date: _____ HR: _____

Trigonometry REVIEW Warm-Up!

- Name the three trigonometric ratios that we have studied.
- Name one way you remember the ratios.
- Write the trigonometric ratios for the triangle below. Use the Pythagorean Theorem to find each exact length of the missing side. Simplify each radical or fraction if needed.



$X =$ _____

$\sin \angle A =$ _____

$\cos \angle A =$ _____

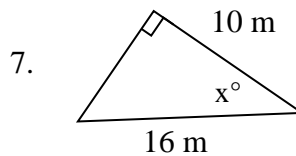
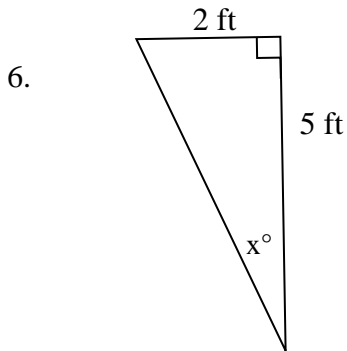
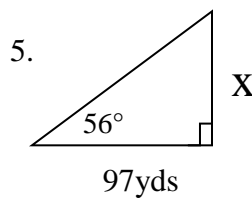
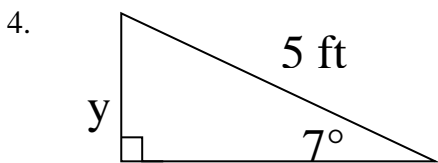
$\tan \angle A =$ _____

$\sin \angle B =$ _____

$\cos \angle B =$ _____

$\tan \angle B =$ _____

For #4-7 Find each variable and round to the nearest tenth. Show WORK!!!

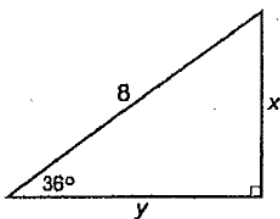


Name: _____ Date: _____ HR: _____

Trigonometry REVIEW Independent Assignment

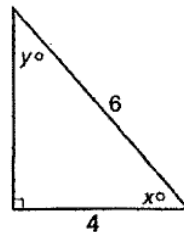
Directions: Find all variables and round to the nearest whole number.

1.



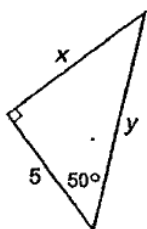
$x =$ _____ $y =$ _____

2.



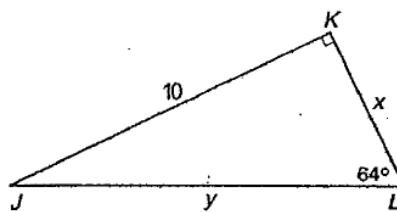
$x =$ _____ $y =$ _____

3.



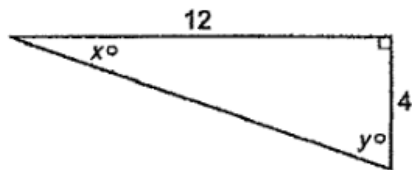
$x =$ _____ $y =$ _____

4.



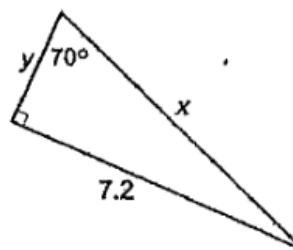
$x =$ _____ $y =$ _____

5.



$x =$ _____ $y =$ _____

6.



$x =$ _____ $y =$ _____

7. A water slide is 400 yards long with a vertical drop of 36.3 yards. Find the angle of depression of the slide.

8. A wheelchair ramp is 3 meters long and inclines at 6° . Find the height of the ramp.

Solutions:

Trigonometry REVIEW Warm-Up!

1. Sine cosine tangent
2. Soh-cah-toa
3. $X = \sqrt{13}$

$$\sin \angle A = \frac{2}{\sqrt{13}}$$

$$\cos \angle A = \frac{3}{\sqrt{13}}$$

$$\tan \angle A = \frac{2}{3}$$

$$\sin \angle B = \frac{3}{\sqrt{13}}$$

$$\cos \angle B = \frac{2}{\sqrt{13}}$$

$$\tan \angle B = \frac{3}{2}$$

4. 0.6 5. 143.8yd 6. 21.8 degrees 7. 51.3 degrees

Trigonometry REVIEW Independent Assignment

1. 5, 6 2. 48, 42 3. 6, 8 4. 5, 11 5. 18, 72 6. 8, 3
7. 5 degrees
8. 0.31 meters