Definitions:

Trigonometric Ratio - The ratio of two sides in a right triangle.

Hypotenuse - The longest side of a right triangle. The side across from the right angle.

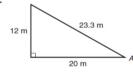
Opposite Side - the side opposite (across from the right angle)

Adjacent Side - the side next to the angle that isn't the hypotenuse.

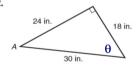
Find the Trigonometric Ratios θ

$$\sin \theta = \frac{\text{opp}}{\text{hyp}} \quad \cos \theta = \frac{\text{adj}}{\text{hyp}} \quad \tan \theta = \frac{\text{opp}}{\text{adj}}$$

1.



2.



3.



$$\sin \theta =$$

$$\sin \theta =$$

$$\cos \theta =$$

$$\cos \theta =$$

$$\tan \theta =$$

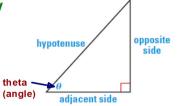
$$\tan \theta =$$

Right Triangle Trigonometry

$$\sin \theta = \frac{\text{opp}}{\text{hyp}}$$

$$\cos \theta = \frac{\text{adj}}{\text{hyp}}$$

$$\tan \theta = \frac{\text{opp}}{\text{adj}}$$

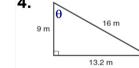


3 Ways to help you remember:

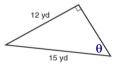
- 1. Soh Cah Toa
- 2. Oscar Had A Heap Of Apples
- 3. Some Old Hippie Caught Another Hippie Trip'n On Apples

You Practice: Find the Trigonometric Ratios θ

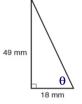
4.



5.



6.



$$\sin \theta =$$

$$\sin \theta =$$

$$\sin \theta =$$

$$\cos \theta =$$

$$\cos \theta =$$

$$\cos \theta =$$

$$\tan \theta =$$

$$\tan \theta =$$

$$\tan \theta =$$