SOHCAHTOA WORKSHEET

(Sine, cosine and tangent)

Part I Identifying Opposite, Adjacent and Hypotenuse

Answers available at www.mathwarehouse.com/trigonometry/sine-cosine-tangent.html

1. Identify the side that is opposite of YZX

2. Identify the side that is adjacent to YZX

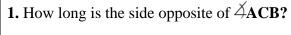
3. Identify the side that is adjacent to WZX

3. Identify the sides that are opposite and adjacent to WZX

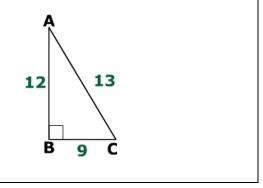
4. Adjacent Side: <a href="https://www.mathwarehouse.com/trigonometry/sine-cosine-tangent.html"

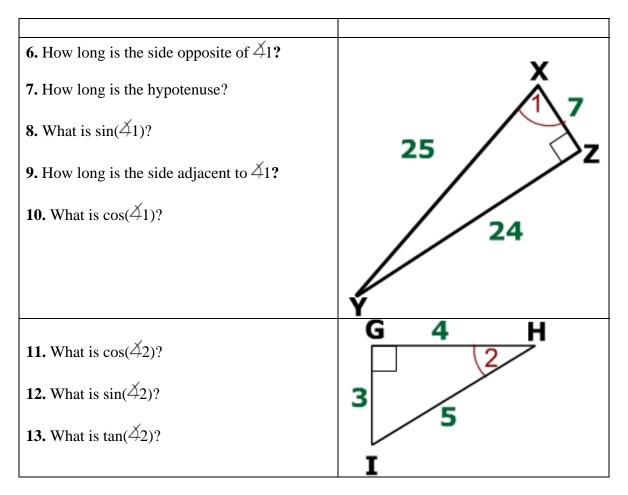
Part II

Answers @ www.mathwarehouse.com/trigonometry/sine-cosine-tangent-practice.html



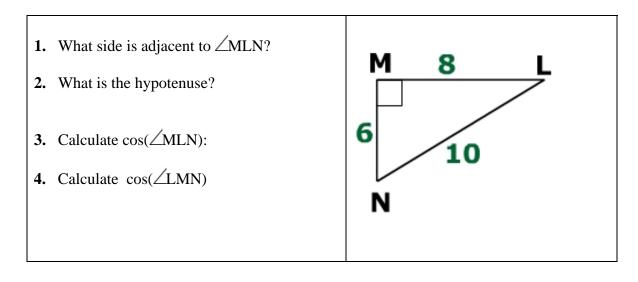
- **2.** How long is the hypotenuse?
- **3.** What is $\sin(\angle ACB)$?
- **4.** How long is the side adjacent to $\angle ACB$?
- **5.** What is $\cos(\angle ACB)$?





III. Sine, Cosine, Tangent. Problems

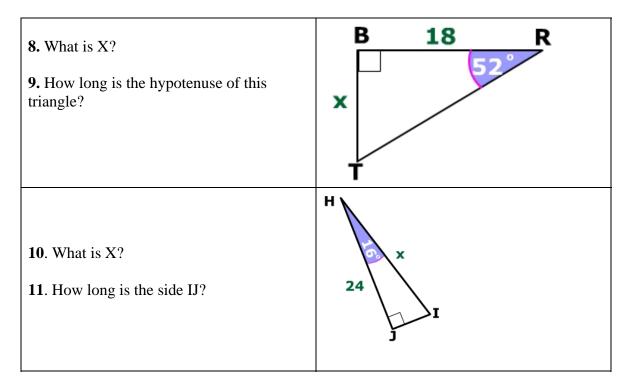
Answers @ www.mathwarehouse.com/trigonometry/sine-cosine-tangent-practice2.html



Find the sine, cosine and tangent of ∠a.

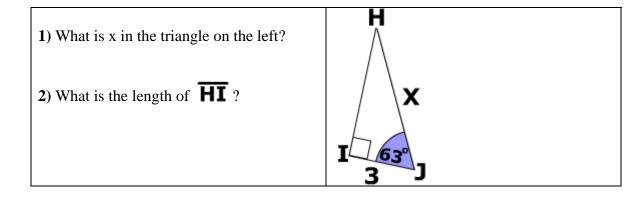
5. sin(a):____
6. cos(a):___
7. tan(a):___

More challenging Problems:

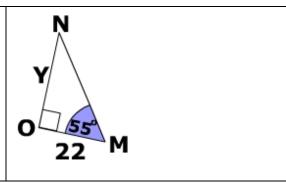


IV Using SOHCAHTOA to find a side of a triangle.

Answers Below at www.mathwarehouse.com/trigonometry/sine-cosine-tangent-practice3.html



- **3.** What is Y in the triangle on the left?
- **4.** What is the length of **NM**?



- **5.** Use SOHCAHTOA to find the value of X.
- **6.** What is another way that you could find the value of X?

