**Trigonometry Review**

FOR RIGHT (90°) ANGLED TRIANGLES:

Remember: **SOH CAH TOA**

sine = opposite over hypotenuse

cosine = adjacent over hypotenuse

tangent = opposite over adjacent

Pythagorean Theorem:

a

b

c

θ

Solve for the variables that represent sides or measures of angles. Write the equations first that you will use to solve each problem and then show ALL OF YOUR WORK in your journal!

20º

2.0

a

b

1. a =

2. b =

θ

c

2.0

4.0

3. θ =

4. c =

θ

9.0

a

2.0

5. θ =

6. a =

 For the following problems, solve for the missing variable:

5.0

4.0

9.0

θ

12

b

**8.**

**7.**

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12

b

**8.**

**7.**