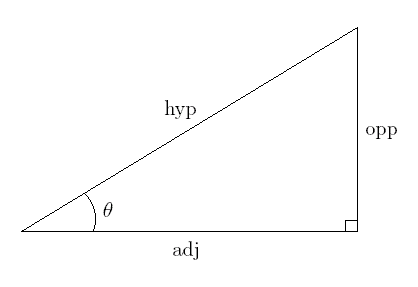
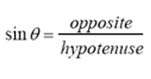
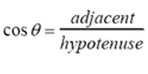
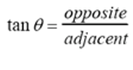
**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Right Triangle Trigonometry**



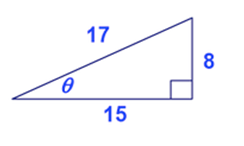
 



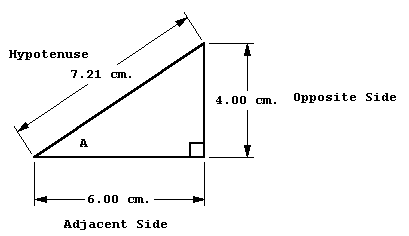
**In each diagram, identify the following:**

1.

1. Sin =
2. Cos =
3. Tan =

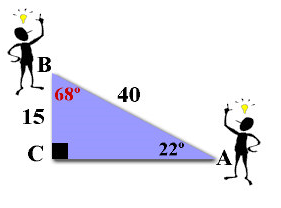


2.



1. Sin =
2. Cos =
3. Tan =

3.

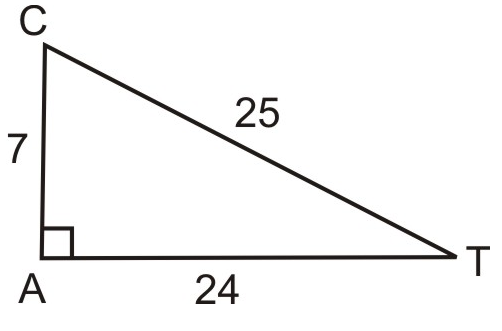


Do you notice anything about the above answers?

1. Sin =
2. Cos =
3. Tan =
4. Sin =
5. Cos =
6. Tan =

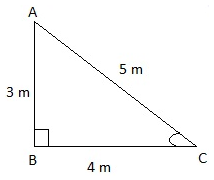
4.

1. Sin =
2. Cos =
3. Tan =
4. Sin =
5. Cos =
6. Tan =



Do you notice anything about the above answers?

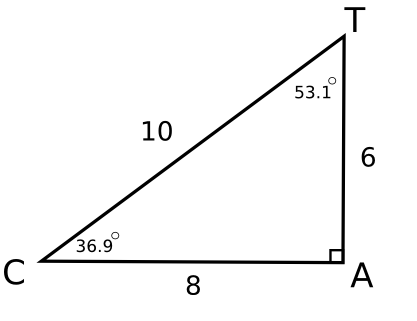
5.

 Do you notice anything about the above answers?

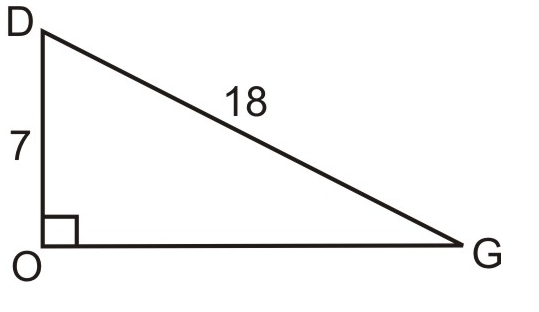
1. Sin =
2. Cos =
3. Tan =
4. Sin =
5. Cos =
6. Tan =

6.

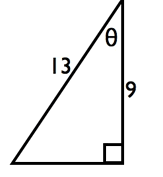
1. Sin =
2. Cos =
3. Tan =
4. Sin =
5. Cos =
6. Tan =

 Do you notice anything about the above answers?

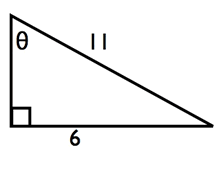
7. If Cos D = , what is the Sin of G?



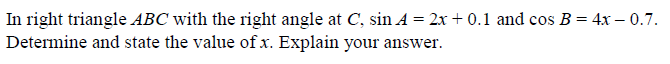
8. If Cos = , what is the Sin of the missing angle?



9. If Sin = , what is the Cos of the missing angle?



10.



11. In right triangle DOG with the right angle at O, sin D = 3x - .7 and cos G = 8x - 23. Determine and state the value of x. Explain your answer.

12. In right triangle HAT with the right angle at H, sin A = x + .2 and cos T = 7x - .1. Determine and state the value of x. Explain your answer.

13. In right triangle TOE with the right angle at O, sin T = 7x - .6 and cos E = 4x + 9 . Determine and state the value of x. Explain your answer.

14. In right triangle SAM with the right angle at A, sin S = 5x - .7 and cos M = 9x - .46 . Determine and state the value of x. Explain your answer.