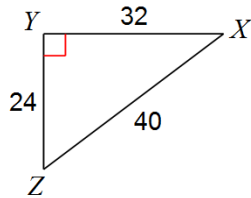
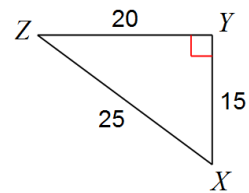
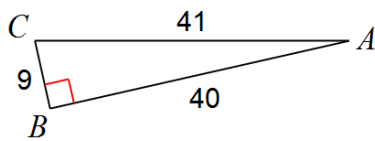
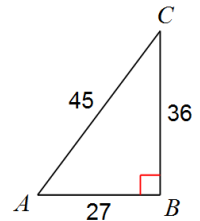


Name: _____ Date: _____

Trigonometry Ratios

Find each ratio and be sure to reduce, if possible.

1. $\tan Z$ 2. $\sin X$ 3. $\cos A$ 4. $\sin C$ 

Draw $\triangle ABC$ where $\angle ABC = 90^\circ$, $AB = 8$, $BC = 15$, and $AC = 17$.

5. What is $\tan C$?6. What is $\sin A$?

Draw $\triangle ABC$ where $\angle ACB = 90^\circ$, $AC = 5$, and $CB = 12$.

7. What is the length of AB ?8. What is $\cos A$?9. What is $\tan B$?

Draw $\triangle CAT$ where $\angle ATC = 90^\circ$, $CA = 53$, and $CT = 28$.

10. What is the length of AT ?11. What is $\sin C$?12. What is $\tan A$?

Draw $\triangle ABC$ where $\angle B = 90^\circ$ and $\sin A = \frac{12}{20}$.

13. What is the length of AB ?14. What is $\tan A$?15. What is $\cos A$?

Draw $\triangle HAT$ where $\angle H = 90^\circ$ and $\tan T = \frac{12}{35}$.

16. What is the length of AT?
17. What is $\sin A$?
18. What is $\cos T$?

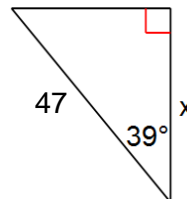
Draw $\triangle CAN$ where $\angle N = 90^\circ$ and $\cos A = \frac{12}{15}$.

19. What is the length of CN?
20. What is $\sin A$?
21. What is $\tan C$?

In the following problems, using the angle that is given, MARK each given side as A (*adjacent*), O (*opposite*), or H (*hypotenuse*). Then TELL which TRIG RATIO you have. You will NOT be solving the problem for x (we haven't learned how YET).

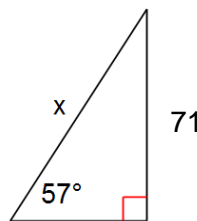
22. Which trig ratio is represented?

- A. SIN
- B. COS
- C. TAN



23. Which trig ratio is represented?

- A. SIN
- B. COS
- C. TAN



24. Which trig ratio is represented?

- A. SIN
- B. COS
- C. TAN

