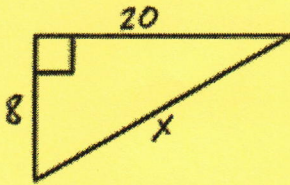


#1

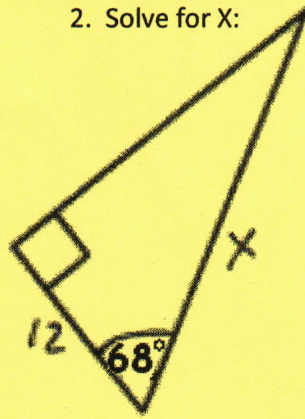
Geometry Basic Review for Trigonometry test

Name \_\_\_\_\_

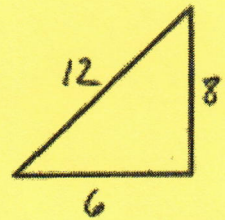
1. Solve for X



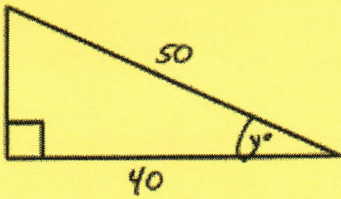
2. Solve for X:



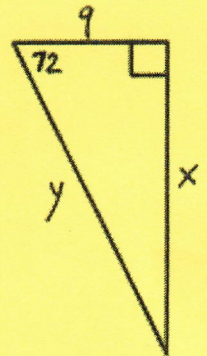
3. Classify as acute, obtuse or right



4. Solve for Y



5. Solve for X and Y

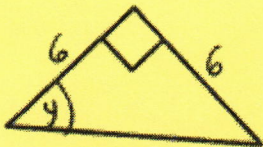


Geometry Basic Review for Trigonometry test

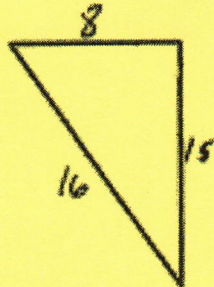
#2

Name \_\_\_\_\_

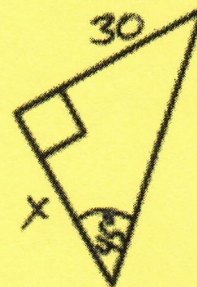
6. Find Y:



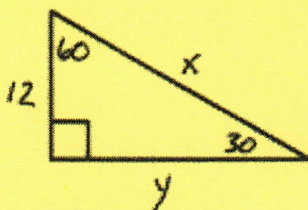
7. Classify as acute, obtuse or right



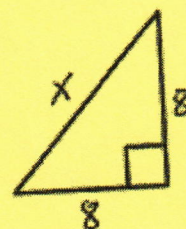
8. Find X



9. Find X and Y



10. Find X:

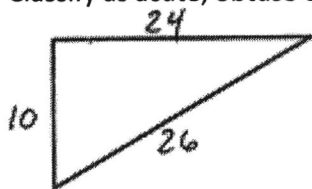


Geometry Basic Review for Trigonometry test

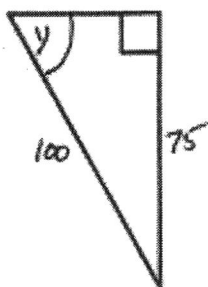
#3

Name \_\_\_\_\_

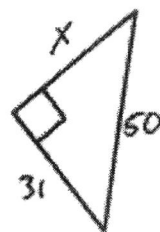
11. Classify as acute, obtuse or right



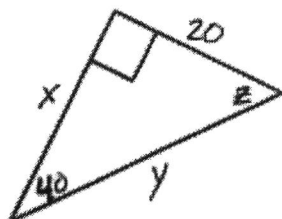
12. Find Y



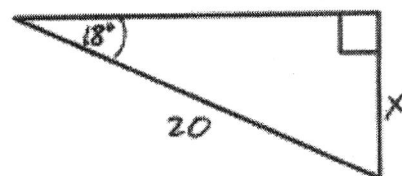
13. Find X



14. Solve for X, Y and Z



15. Find X:

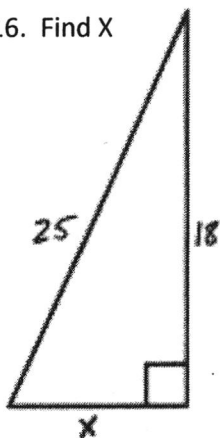


Geometry Basic Review for Trigonometry test

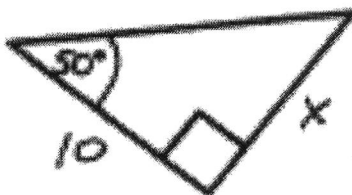
#4

Name \_\_\_\_\_

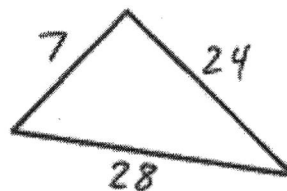
16. Find X



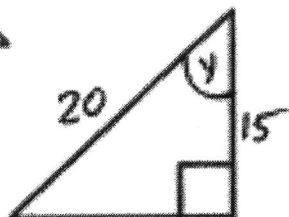
17. Find X



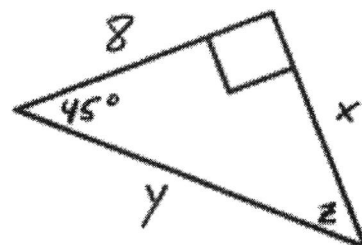
18. Classify as acute, obtuse or right



19. Find Y



20. Solve for X and Y:

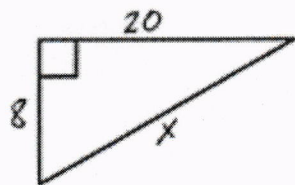




Geometry Basic Review for Trigonometry test

Name \_\_\_\_\_

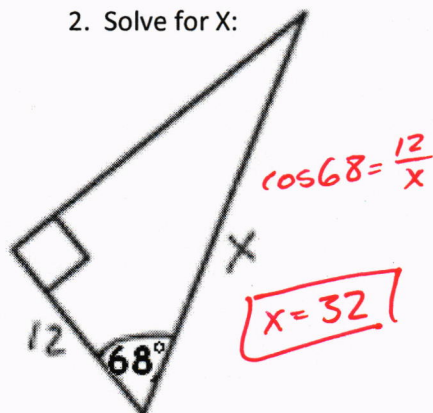
1. Solve for X



$$8^2 + 20^2 = x^2$$

$$\boxed{21.5 = x}$$

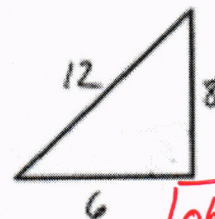
2. Solve for X:



$$\cos 68 = \frac{12}{x}$$

$$\boxed{x = 32}$$

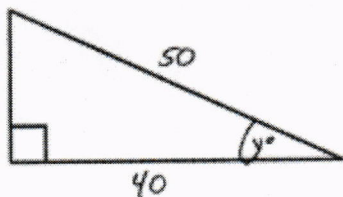
3. Classify as acute, obtuse or right



$$\begin{array}{r} 6^2 + 8^2 \quad \underline{\quad} \quad 12^2 \\ 100 \quad \underline{\quad} \quad 144 \end{array}$$

**obtuse**

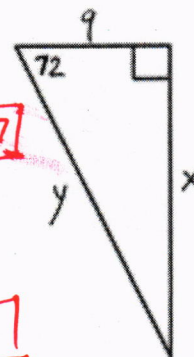
4. Solve for Y



$$\cos y = \frac{40}{50}$$

$$\boxed{y = 36.9}$$

5. Solve for X and Y



$$\tan 72 = \frac{x}{9} \quad \boxed{x = 27.7}$$

$$\cos 72 = \frac{9}{y} \quad \boxed{y = 29.1}$$

Geometry Basic Review for Trigonometry test

Name \_\_\_\_\_

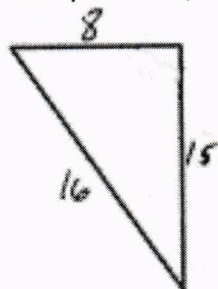
6. Find Y:



$$\tan y = \frac{6}{6}$$

$$\boxed{y = 45}$$

7. Classify as acute, obtuse or right

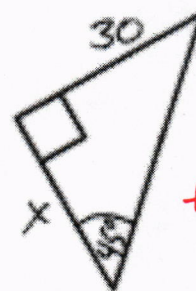


$$8^2 + 15^2 \quad \underline{\quad} \quad 16^2$$

$$289 \quad \underline{\quad} \quad 256$$

**Acute**

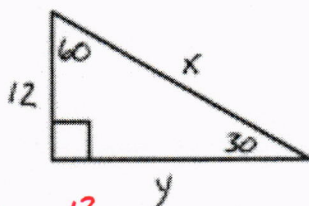
8. Find X



$$\tan 45 = \frac{30}{x}$$

$$\boxed{x = 30}$$

9. Find X and Y



$$\sin 30 = \frac{12}{x}$$

$$\tan 30 = \frac{12}{y}$$

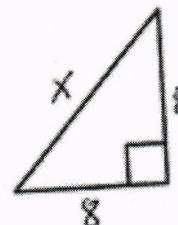
$$\boxed{x = 24}$$

$$\cos 60 = \frac{12}{x}$$

$$\tan 60 = \frac{y}{12}$$

$$\boxed{y = 20.8}$$

10. Find X:



$$8^2 + 8^2 = x^2$$

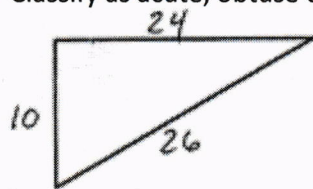
$$\boxed{11.3 = x}$$

#3

11. Classify as acute, obtuse or right

12. Find Y

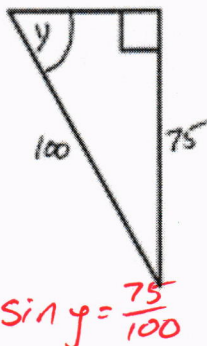
13. Find X



$$10^2 + 24^2 \quad \underline{\quad 26^2 \quad}$$

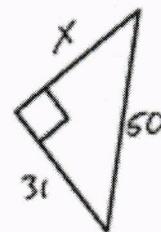
$$676 \quad \underline{\quad 676 \quad}$$

**Right**



$$\sin y = \frac{75}{100}$$

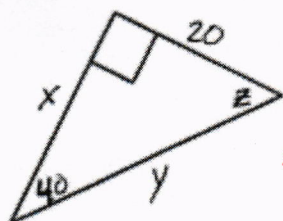
**y = 48.6**



$$31^2 + x^2 = 50^2$$

**x = 39.2**

14. Solve for X, Y and Z



**Z = 50**

$$\sin 40 = \frac{20}{y}$$

$$\cos 50 = \frac{20}{y}$$

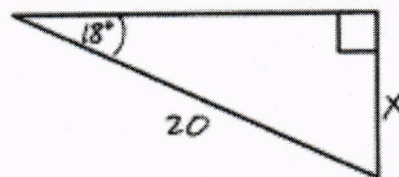
$$\tan 40 = \frac{20}{x}$$

$$\tan 50 = \frac{x}{20}$$

**x = 23.8**

**y = 31.1**

15. Find X:



$$\sin 18 = \frac{x}{20}$$

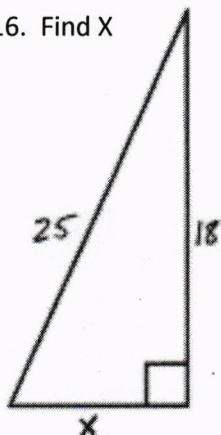
**x = 6.2**

#4

16. Find X

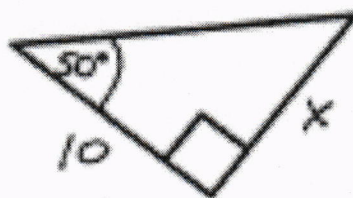
17. Find X

18. Classify as acute, obtuse or right



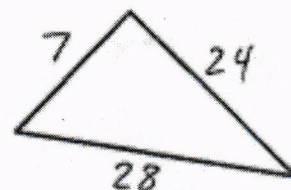
$$x^2 + 18^2 = 25^2$$

**x = 17.3**



$$\tan 50 = \frac{x}{10}$$

**x = 11.9**



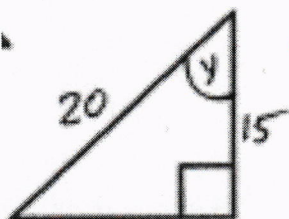
$$7^2 + 24^2 \quad \underline{\quad 28^2 \quad}$$

$$625 \quad \underline{\quad 784 \quad}$$

**Obtuse**

19. Find Y

20. Solve for X and Y:



$$\cos y = \frac{15}{20}$$

$$\cos^{-1}\left(\frac{15}{20}\right)$$

**y = 41.4**

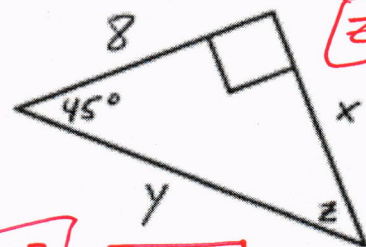
$$\tan 45 = \frac{x}{8}$$

$$\sin 45 = \frac{8}{y}$$

$$\cos 45 = \frac{8}{y}$$

**x = 8**

**y = 11.3**



**Z = 45**