

Trigonometry
Summer Assignment

Name: _____

Date: _____

Hour: _____

Directions: Show all work for full credit using a pencil. Record your final answer on the lines provided.
This assignment is due the first day of school.

Perform the operations. (Write fractional answers in simplest form.)

1. $\frac{3}{10} + \frac{4}{10} + \frac{1}{10} =$

1. _____

2. $\frac{7x}{12} + \frac{13x}{12} - \frac{5x}{12} =$

2. _____

3. $\left(\frac{3}{5}\right)\left(\frac{2}{3}\right)(-3) =$

3. _____

4. $\frac{-3}{4} \div \frac{5}{8} =$

4. _____

5. $\frac{1}{2}(6a + 8b) - \frac{2}{3}(12a + 24b) =$

5. _____

Find the distance between the points & the midpoint of the line segment joining the points.

6. $(-2,4), (6,8) =$

6. _____

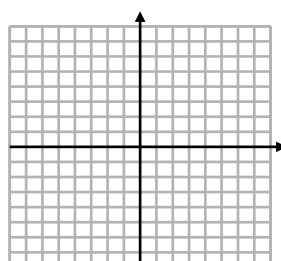
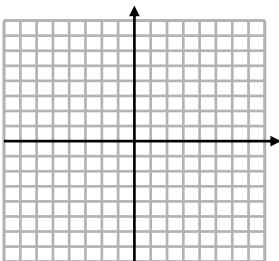
Graph each of the following equation on graph paper

7. $y = -3x - 1$

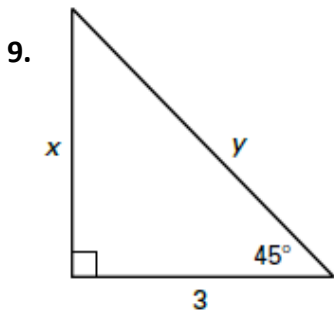
7. see graph

8. $y = x + 2$

8. see graph



Find the exact value of x and y.



9. _____

Solve each equation.

10. $\frac{2}{3}x + 10 = 6$

10. _____

11. $6a - 15.3 = 26.5 + 25a$

11. _____

12. $|2x + 15| = 5$

12. _____

13. $\sqrt{2y - 6} = 6$

13. _____

Find the x and y intercepts.

14. $2x + 5y = 10$

14. X-intercept _____
Y-intercept _____

Solve each proportion.

15. $\frac{x}{14} = \frac{12}{24}$

15. _____

16. $\frac{15}{n} = \frac{3}{4}$

16. _____

Evaluate the function using your calculator. Round off answers to four significant places.

17. $\sin 78^\circ =$ _____

18. $\cos 66^\circ =$ _____

19. $\tan 25^\circ =$ _____

20. Solve the equation $2x^2 - 1 = 0$

20. _____