1. Solve

$$-2x+5-2x=13$$

2. Solve

$$4x - 3(x - 2) = 21$$

3. Solve

$$7 + \frac{2}{3}x = -1$$

4. Solve

$$12p-7=-3p+8$$

5. Solve

$$4 - \frac{2}{3}x = -\frac{5}{3}x - 3$$

6. Solve

$$\frac{x+1}{7} = \frac{x-3}{2}$$

7.

Is the point (-2, 0) a solution to the equation: y = -2x + 4

8

Give the *slope* of the line that goes through the points: (0, 8) and (-1, 2)

9.

Give the *equation* of the line with a slope of -2 that goes through the point (-5, -7)

10.

Give the *equation* of the line that goes through the points: (6, 2) and (8, -4)

11.

Give the *equation* of the line that is **parallel** to the line y = -5x - 2 and goes through the point (3, -9).

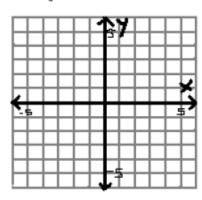
12.

Give the *equation* of the line that is **perpendicular** to the line y = -2x + 4 and goes through the point (4, -2).

13.

. Solve the following system of equations by graphing:

$$\begin{cases} x + y = 2 \\ 2x - y = 4 \end{cases}$$



14.

Solve the following system of equations by substitution:

$$x = -2y + 4$$

$$-x + y = -7$$

15.

Solve the following system of equations by elimination:

$$3x - 2y = 1$$

$$2x + 2y = 4$$

16.

Solve the following system of equations by elimination:

$$x - 5y = 20$$

$$4x + 3y = 34$$

17.

Solve the following system of equations by elimination:

$$2x + 6y = 4$$

$$3x - 7y = 6$$

18. Simplify

$$-3m^3p^2-\ 4m^4\ +6m^3p^2+2m^4$$

19. Simplify

$$(-x^2 - 5x - 1) - (-3x^2 + x - 1)$$

20. Simplify

$$(3x-2)(4x-3)$$

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$$(3x + 4)^2$$

$$(x-3)(2x^2+6x-4)$$

$$x^2 + 8x + 15$$

$$25x^2 - 64$$

Name

2 -	F+-
75	Factor
20.	1 4 6 6 6 1

$$9x^2 + 30x + 25$$

$$2x^2 + 7x - 15$$

$$\sqrt{18}$$

$$\sqrt{27m^{10}x^9}$$

29. Simplify

$$-\sqrt{2} \cdot 3\sqrt{6}$$

30. Simplify

$$2\sqrt{2x^5} \cdot 3\sqrt{14x^3}$$

31. Simplify

$$\sqrt{\frac{200x^6p^4}{100x^4p^3}}$$

32. Simplify

$$\frac{15}{\sqrt{3}}$$

|--|

33. Simplify

$$-7\sqrt{5} + 3\sqrt{20}$$

34. Solve

$$2x^2 + 9 = 33$$

35. Solve

$$x^2 + 14x + 45 = 0$$

36. Solve

$$x^2 + 5x = 0$$

|--|

37. Solve

$$5x^2 + 22x + 8 = 0$$

38. Solve

$$x^2 + 14x + 8 = 0$$

39. Solve

$$x^2 - 3x - 6 = 0$$

40. Solve

$$2x^2 - 6x + 3 = 0$$