

Combine like terms:

$$\begin{array}{lll} -7 + -8 = -15 & -7 + -5 = -12 & 5a + 3a = 8a \\ 3 - 8 = -5 & -4 + 8 = 4 & 4b + 2a = 4b + 2a \\ 6 - -7 = 13 & 3 + -7 = -4 & 3c^2 + 6c = 3c^2 + 6c \\ -7 + 9 = 2 & 1 - 4 = -3 & 7d - d = 6d \\ -6 - -5 = -1 & -7 - -5 = -2 & 9e - 5 = 9e - 5 \\ 3 + -6 = -3 & 4 - -1 = 5 & 6f + f = 7f \\ -4 + -8 = -12 & 4 - 8 = -4 & 3g - 8g = -5g \\ 8 - 9 = -1 & -6 + -4 = -10 & 7b + 3c = 7b + 3c \\ 9 + -6 = 3 & 4 - 6 = -2 & 5a - 5 = 5a - 5 \\ 7 - -3 = 10 & 4 + -2 = 2 & 4c - 4c = 0 \\ -9 - -6 = -3 & 9 - -6 = 15 & 6d^2 + 3d^2 = 9d^2 \\ -9 + 8 = -1 & -5 + 2 = -3 & 8e^2 - 4e = 8e^2 - 4e \\ 5 + -1 = 4 & -8 - -2 = -6 & 9d - 9f = 9d - 9f \\ -5 + -4 = -9 & -2 + -8 = -10 & \\ 3 + -9 = -6 & 7 - 9 = -2 & \\ -9 - -2 = -7 & 9 + -2 = 7 & \\ 4 - -8 = 12 & 8 - -9 = 17 & \\ 5 + -2 = 3 & -6 + 2 = -4 & \\ 0 - 4 = -4 & -8 - -7 = -1 & \\ -8 - -8 = 0 & -9 + -7 = -16 & \end{array}$$

$$\begin{array}{l} 4\sqrt{3} + 2\sqrt{3} = 6\sqrt{3} \\ 9\sqrt{2} - 2\sqrt{2} = 7\sqrt{2} \\ 5\sqrt{2} + 3\sqrt{5} = 5\sqrt{2} + 3\sqrt{5} \\ 7\sqrt{3} - \sqrt{3} = 6\sqrt{3} \\ 6\sqrt{7} - 2\sqrt{5} = 6\sqrt{7} - 2\sqrt{5} \end{array}$$

Simplify:

$$\begin{array}{lll} \frac{a^5}{a^2} = a^3 & \frac{a^4}{a^4} = 1 & \frac{a^3}{a^7} = \frac{1}{a^4} \\ \frac{a+4}{a} = \frac{a+4}{a} & \frac{5a}{a} = 5 & \frac{6a}{3} = 2a \end{array}$$

PEMDAS:

$$\begin{array}{l} 4 + 3 \times 2 = 10 \\ 10 - 5 + 2 = 7 \\ -3(3 + 2) + 36 \div 3^2 = -11 \end{array}$$

$$-7^2 = -49$$

$$(-6)^2 = 36$$

Distributive Property

Multiply:

$$2(4a + 3b - 2c)$$

$$8a + 6b - 4c$$

$$2a(3a - 2b + c)$$

$$6a^2 - 4ab + 2ac$$

$$3b(a^2 + 6b^4 - 2c)$$

$$3a^2b + 18b^5 - 6bc$$

$$-5(2d + 6e^2 - f)$$

$$-10d - 30e^2 + 5f$$

$$-(5a - 4b + 3c)$$

$$-5a + 4b - 3c$$

$$6ab^3(-3a^2b^4 + 4bc - 5)$$

$$-18a^3b^7 + 24ab^4c - 30ab^3$$

$$(7 - 3ab^2 + 4a^4)5c$$

$$35c - 15ab^2c + 20a^4c$$

Factor:

$$4a + 6b - 8c$$

$$2(2a + 3b - 4c)$$

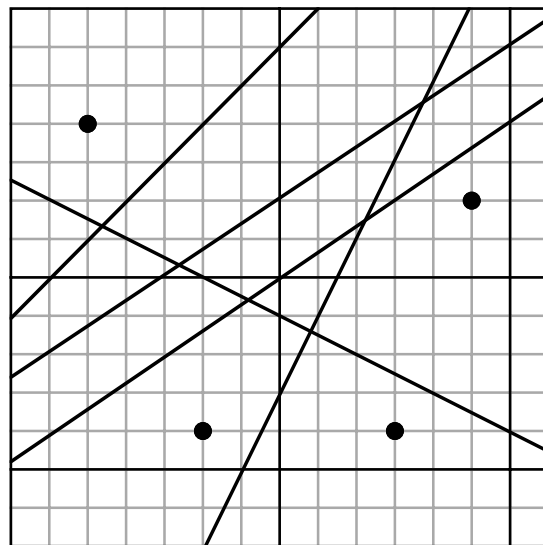
$$6a - 9a^2b + 12ab$$

$$3a(2 - 3ab + 4b)$$

$$12a^2c + 16a - 4a$$

$$4a(3ac + 4 - 1)$$

Graph:



$$(5, 2) \quad (3, -4) \quad (-2, -4) \quad (-5, 4)$$

$$x = 6$$

$$y = -5$$

$$y = \frac{2}{3}x + 2$$

$$y = -\frac{1}{2}x - 1$$

$$y = 2x - 3$$

$$y = \frac{2}{3}x$$

$$y = x + 6$$