

Solving Linear Equations Worksheet

Solve each equation

$$\boxed{1} \quad -2 = \frac{x}{18}$$

$$\boxed{2} \quad -10 + \frac{x}{2} = -15$$

$$\boxed{3} \quad 5 = \frac{b}{9} + 3$$

$$\boxed{4} \quad -2(6 - 2p) - 2(p + 8) = -12$$

$$\boxed{5} \quad -6(6 + n) - 4(7n - 3) = 48$$

$$\boxed{6} \quad x - 1 = 7(x - 5) - (6x - 4)$$

$$\boxed{7} \quad -20 = 2(-4 + a)$$

$$\boxed{8} \quad 8(1 + 2x) - 4 = -3(7 - 7x)$$

$$\boxed{9} \quad -16 - 7n = -8n - 3n$$

$$\boxed{10} \quad -11 = 7 + v$$

$$\boxed{11} \quad 5(-2 - 3x) + 2(x + 5) = 5x - 4x$$

$$\boxed{12} \quad -19 = \frac{n}{2} - 9$$

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Answers

$$\boxed{1} \quad -2 = \frac{x}{18}$$

$$x = -36$$

$$\boxed{3} \quad 5 = \frac{b}{9} + 3$$

$$b = 18$$

$$\boxed{5} \quad -6(6 + n) - 4(7n - 3) = 48$$

$$n = -\frac{36}{17}$$

$$\boxed{7} \quad -20 = 2(-4 + a)$$

$$a = -6$$

$$\boxed{9} \quad -16 - 7n = -8n - 3n$$

$$n = 4$$

$$\boxed{11} \quad 5(-2 - 3x) + 2(x + 5) = 5x - 4x$$

$$x = 0$$

$$\boxed{2} \quad -10 + \frac{x}{2} = -15$$

$$x = -10$$

$$\boxed{4} \quad -2(6 - 2p) - 2(p + 8) = -12$$

$$p = 8$$

$$\boxed{6} \quad x - 1 = 7(x - 5) - (6x - 4)$$

No Solution

$$\boxed{8} \quad 8(1 + 2x) - 4 = -3(7 - 7x)$$

$$x = 5$$

$$\boxed{10} \quad -11 = 7 + v$$

$$v = -18$$

$$\boxed{12} \quad -19 = \frac{n}{2} - 9$$

$$n = -20$$