

Name : _____

Literal Equation Practice Worksheet

Solve the given equations for x .

1) $2(3x + 6y) = 18$

3) $4x = -4r + 2d$

5) $z = \frac{2y - x}{4}$

7) $4x + 2y = 18$

9) $z = b + \frac{m}{x}$

2) $bx + a = x + c$

4) $u = kx + yx$

6) $2x + 5 = -y + 9$

8) $2x + 4 = xg$

10) $a(x - 3) + 8 = b(x + 1)$

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Answers

1) $2(3x + 6y) = 18$

$$\underline{x = 3 - 2y}$$

3) $4x = -4r + 2d$

$$\underline{x = \frac{-2r + d}{2}}$$

5) $z = \frac{2y - x}{4}$

$$\underline{x = 2y - 4z}$$

7) $4x + 2y = 18$

$$\underline{x = \frac{9 - y}{2}}$$

9) $z = b + \frac{m}{x}$

$$\underline{x = \frac{m}{z - b}}$$

2) $bx + a = x + c$

$$\underline{x = \frac{c - a}{b - 1}}$$

4) $u = kx + yx$

$$\underline{x = \frac{u}{k + y}}$$

6) $2x + 5 = -y + 9$

$$\underline{x = \frac{-y + 4}{2}}$$

8) $2x + 4 = xg$

$$\underline{x = \frac{4}{g - 2}}$$

10) $a(x - 3) + 8 = b(x + 1)$

$$\underline{x = \frac{b + 3a - 8}{a - b}}$$