

Solving for x: Lesson 13

Literal Formulas: Worksheet 1

Name: Answer Key!

MATH  ALL

Solve the following equations for the letter provided:

$$4 + x = y \text{ for } x:$$

$$\frac{-4 \quad -4}{x = y - 4}$$

$$3 - x = b \text{ for } x:$$

$$\frac{-3 \quad -3}{-x = b - 3} \Rightarrow x = -b + 3$$

$$3 \cdot \frac{x}{3} = c \text{ for } x:$$

$$x = 3c$$

$$2 \cdot \frac{2}{x} = y \text{ for } x:$$

$$\frac{2 = 4 \cdot x}{4} \quad x = \frac{2}{y}$$

$$2abc = d \text{ for } a:$$

$$\frac{2bc \quad 2bc}{a = \frac{d}{2bc}}$$

$$3y - w = x \text{ for } y:$$

$$\frac{+w \quad +w}{3y = x + w}$$

$$y = \frac{x+w}{3} \text{ or } \frac{x}{3} + \frac{w}{3}$$

$$-2a + 3b = t \text{ for } a:$$

$$\frac{-3b \quad -3b}{-2a = t - 3b} \quad a = -\frac{t}{2} + \frac{3b}{2}$$

$$5g + 10 = h \text{ for } g:$$

$$\frac{-10 \quad -10}{5g = h - 10}$$

$$g = \frac{h}{5} - 2$$

$$7 = \frac{ce}{h} \text{ for } c:$$

$$\frac{7h = ce}{\frac{7h}{e} = \frac{ce}{e}} \quad c = \frac{7h}{e}$$

$$cg = nx \text{ for } c:$$

$$\frac{g \quad g}{c = \frac{nx}{g}}$$

