

# Solving Algebraic Equations

Name: \_\_\_\_\_ Score: \_\_\_\_\_

Solve for each variable.

$$x + 9 = 11$$

$$d - 3 = 7$$

$$-q + 7 = 2$$

$$n - 6 = 6$$

$$4 - r = -1$$

$$e + 10 = 11$$

$$-4 - r = 2$$

$$-y + 4 = 2$$

$$7 - c = 1$$

$$q + 2 = 6$$

$$-1 - x = 5$$

$$z - 22 = -10$$

$$-3 + n = 3$$

$$y - 6 = -7$$

$$t - (-2) = 5$$

$$h + 1 = 11$$

$$-6 + x = 2$$

$$r - 1 = 4$$

$$-6 - v = -1$$

$$y - 6 = 10$$

$$x + 1 = -1$$

# Answers

Solve for each variable.

$$x + 9 = 11$$

$$x = 2$$

$$d - 3 = 7$$

$$d = 10$$

$$-q + 7 = 2$$

$$q = 5$$

$$n - 6 = 6$$

$$n = 12$$

$$4 - r = -1$$

$$r = 5$$

$$e + 10 = 11$$

$$e = 1$$

$$-4 - r = 2$$

$$r = -6$$

$$-y + 4 = 2$$

$$y = 2$$

$$7 - c = 1$$

$$c = 6$$

$$q + 2 = 6$$

$$q = 4$$

$$-1 - x = 5$$

$$x = -6$$

$$z - 22 = -10$$

$$z = 12$$

$$-3 + n = 3$$

$$n = 6$$

$$y - 6 = -7$$

$$y = -1$$

$$t - (-2) = 5$$

$$t = 3$$

$$h + 1 = 11$$

$$h = 10$$

$$-6 + x = 2$$

$$x = 8$$

$$r - 1 = 4$$

$$r = 5$$

$$-6 - v = -1$$

$$v = -5$$

$$y - 6 = 10$$

$$y = 16$$

$$x + 1 = -1$$

$$x = -2$$