

Solving Algebraic Equations

Name: _____ Score: _____

Solve for each variable.

$$6y = 12$$

$$3a + 2 = 5$$

$$4c = 16$$

$$5d + 2 = 27$$

$$2k = 8$$

$$-2r + 3 = -3$$

$$3n = 36$$

$$4p - 30 = -38$$

$$-q = -11$$

$$-2b + 9 = 19$$

$$-3y - 2 = -11$$

$$g - 2 = 8$$

$$2a - 2 = 38$$

$$3d - 8 = 37$$

$$-2e + 4 = -8$$

$$-8r = 48$$

$$-u + 10 = 0$$

$$5k = -20$$

$$3x + 2 = 26$$

$$3v + 8 = 14$$

$$3y + 4 = -5$$

Answers

Solve for each variable.

$$6y = 12$$

$$y = 2$$

$$3a + 2 = 5$$

$$a = 1$$

$$4c = 16$$

$$c = 4$$

$$5d + 2 = 27$$

$$d = 5$$

$$2k = 8$$

$$k = 4$$

$$-2r + 3 = -3$$

$$r = 3$$

$$3n = 36$$

$$n = 12$$

$$4p - 30 = -38$$

$$p = -2$$

$$-q = -11$$

$$q = 11$$

$$-2b + 9 = 19$$

$$b = -5$$

$$-3y - 2 = -11$$

$$y = 3$$

$$g - 2 = 8$$

$$g = 10$$

$$2a - 2 = 38$$

$$a = 20$$

$$3d - 8 = 37$$

$$d = 15$$

$$-2e + 4 = -8$$

$$e = 6$$

$$-8r = 48$$

$$r = -6$$

$$-u + 10 = 0$$

$$u = -10$$

$$5k = -20$$

$$k = -4$$

$$3x + 2 = 26$$

$$x = 8$$

$$3v + 8 = 14$$

$$v = 2$$

$$3y + 4 = -5$$

$$y = -3$$