

Solving Algebraic Equations

Name: _____ Score: _____

Solve for each variable.

$$10 \div a = -5$$

$$36 \div 2b = 6$$

$$k \div 9 = -8$$

$$12 \div 2c = -2$$

$$n \div 2 = 20$$

$$30 \div 3r = -2$$

$$t \div 7 = -10$$

$$20 \div 4q = 5$$

$$a \div 6 = 2$$

$$-b \div 2 = -12$$

$$40 \div 2y = -4$$

$$-f \div 6 = -3$$

$$10 \div 2a = 1$$

$$c \div 3 = 3$$

$$12 \div d = 3$$

$$-z \div 2 = -4$$

$$16 \div 2u = 4$$

$$k \div 2 = -3$$

$$21 \div x = 7$$

$$v \div 9 = 5$$

$$-10 \div z = -5$$

Answers

Solve for each variable.

$$10 \div a = -5$$

$$a = -2$$

$$36 \div 2b = 6$$

$$b = 3$$

$$k \div 9 = -8$$

$$k = -72$$

$$12 \div 2c = -2$$

$$c = -3$$

$$n \div 2 = 20$$

$$n = 40$$

$$30 \div 3r = -2$$

$$r = -5$$

$$t \div 7 = -10$$

$$t = -70$$

$$20 \div 4q = 5$$

$$q = 1$$

$$a \div 6 = 2$$

$$a = 12$$

$$-b \div 2 = -12$$

$$b = 24$$

$$40 \div 2y = -4$$

$$y = -5$$

$$-f \div 6 = -3$$

$$f = 18$$

$$10 \div 2a = 1$$

$$a = 5$$

$$c \div 3 = 3$$

$$c = 9$$

$$12 \div d = 3$$

$$d = 4$$

$$-z \div 2 = -4$$

$$z = 8$$

$$16 \div 2u = 4$$

$$u = 2$$

$$k \div 2 = -3$$

$$k = -6$$

$$21 \div x = 7$$

$$x = 3$$

$$v \div 9 = 5$$

$$v = 45$$

$$-10 \div z = -5$$

$$z = 2$$