

# Solving Algebraic Equations

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

Solve for each variable.

$$12 \div x = -4$$

$$24 \div 2c = 2$$

$$d \div 6 = -6$$

$$18 \div 3t = -2$$

$$q \div 2 = 10$$

$$36 \div 3r = -2$$

$$n \div 6 = -10$$

$$40 \div 4q = 5$$

$$x \div 2 = 5$$

$$-c \div 4 = -1$$

$$50 \div 2y = -5$$

$$-g \div 6 = -3$$

$$30 \div 2y = 5$$

$$m \div 1 = -5$$

$$15 \div e = 3$$

$$-w \div 2 = -3$$

$$18 \div 2t = 3$$

$$y \div 1 = -5$$

$$20 \div x = 4$$

$$r \div 2 = 6$$

$$-12 \div j = -4$$

# Answers

Solve for each variable.

$$12 \div x = -4$$

$$x = -3$$

$$24 \div 2c = 2$$

$$c = 6$$

$$d \div 6 = -6$$

$$d = -36$$

$$18 \div 3t = -2$$

$$t = -3$$

$$q \div 2 = 10$$

$$q = 20$$

$$36 \div 3r = -2$$

$$r = -6$$

$$n \div 6 = -10$$

$$n = -60$$

$$40 \div 4q = 5$$

$$q = 2$$

$$x \div 2 = 5$$

$$x = 10$$

$$-c \div 4 = -1$$

$$c = 4$$

$$50 \div 2y = -5$$

$$y = -5$$

$$-g \div 6 = -3$$

$$g = 18$$

$$30 \div 2y = 5$$

$$y = 3$$

$$m \div 1 = -5$$

$$m = -5$$

$$15 \div e = 3$$

$$e = 5$$

$$-w \div 2 = -3$$

$$w = 6$$

$$18 \div 2t = 3$$

$$t = 3$$

$$y \div 1 = -5$$

$$y = -5$$

$$20 \div x = 4$$

$$x = 5$$

$$r \div 2 = 6$$

$$r = 12$$

$$-12 \div j = -4$$

$$j = 3$$