

Solve Absolute Value Equations

Give your answers as fractions or mixed numbers, if needed.

$$|3z + 3| = 24$$

$$|5c| + 21 = 27$$

$$5|y - 8| = 10$$

$$|-2n| + 12 = 20$$

$$|3d| - 8 = 19$$

$$2|d + 12| = 2$$

$$|6v + 24| = 12$$

$$|4f| + 20 = 22$$

Solve Absolute Value Equations

Give your answers as fractions or mixed numbers, if needed.

$$|3z + 3| = 24$$

$$z = 7$$

$$z = -9$$

$$5|y - 8| = 10$$

$$y = 10$$

$$y = 6$$

$$|3d| - 8 = 19$$

$$d = 9$$

$$d = -9$$

$$|6v + 24| = 12$$

$$v = -2$$

$$v = -6$$

$$|5c| + 21 = 27$$

$$c = 1\frac{1}{5}$$

$$c = -1\frac{1}{5}$$

$$|-2n| + 12 = 20$$

$$n = 4$$

$$n = -4$$

$$2|d + 12| = 2$$

$$d = -11$$

$$d = -13$$

$$|4f| + 20 = 22$$

$$f = \frac{1}{2}$$

$$f = -\frac{1}{2}$$