

Unit 2: Equations Review

Search and Rescue

$$x = -\frac{y}{4} + 5$$

Solve the equation.

$$-10x = 50$$

$$x = -2, \frac{16}{3}$$

Solve the equation.

$$-11 = -7 + \frac{x}{-2}$$

$$x = \frac{-3y + 7}{4}$$

Solve the equation.

$$\frac{x + 9}{10} = 2$$

$$x = 11$$

Solve the equation.

$$2(1 - 5x) - 1 = 81$$

$$x = 2$$

Solve the equation.

$$28 + 7x = 7 + 7(x + 3)$$

$$x = 5.71$$

Solve the equation.

$$8(x + 4) - 8x = 12 + 5x$$

$$x = \frac{b}{9}$$

Solve the equation.

$$-7x + 5(-4x - 4) = 3x + 4(-7x + 3)$$

$$x = 6$$

Solve the equation.

$$|x| + 3 = 11$$

$$x = 1, 11$$

Solve the equation.

$$|8 + x| = 6$$

x = All Real Numbers

Solve the equation.

$$\frac{|-6 + x|}{5} = 1$$

$$x = 4$$

Solve the equation.

$$|9 + 3x| = -12$$

$$x = \pm 8$$

Solve the equation.

$$-4|-6x + 6| = -120$$

$$x = -8$$

Solve the equation.

$$|-10 + 6x| + 5 = 27$$

$$x = -5$$

Solve the equation.

$$\frac{4}{7} = \frac{x}{10}$$

$$x = -4.5$$

Solve the equation.

$$\frac{x + 4}{2} = \frac{9}{3}$$

$$x = -16$$

Solve the equation.

$$\frac{5}{3} = \frac{x - 3}{x}$$

$$x = -8$$

Solve the equation.

$$\frac{x + 2}{4} = \frac{x + 6}{6}$$

$$x = -2, -14$$

Solve the equation for x.

$$-3x + b = 6x$$

x = No Solution

Solve the equation for x.

$$3y - 4x = 7$$

$$x = -4, 6$$

Solve the equation for x .

$$4x - 20 = -y$$