



Return of the Quizzes

Retake Procedures Grade Sheet Calculator

Agenda for the Week

Monday and Tuesday- Solving Equations

Wednesday and Thursday- Solving for a Variable

Friday- Quiz

Objective for the Day

Solve more difficult equations

$$24 = 6(-x - 3)$$

x = -7

$$\frac{11}{6} = \frac{1}{3} + p$$

$$x = \frac{1}{3} = \frac{3}{4}x$$

$$x = \frac{1}{3}$$

$$-\frac{3}{4}x = 21$$

$$x = -28$$

$$\frac{2}{5}x - 10 = 20$$

$$x = 75$$

$$\frac{2}{3}x - 2 = \frac{1}{2}x + 4$$
$$x = 36$$

$$\frac{1}{2}(b+6) = \frac{3}{2}b - 1$$

$$\frac{1}{2}(b+6) = \frac{3}{2}b - 1$$

$$\frac{1}{2}b + 3 = \frac{3}{2}b - 1$$

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

$$3 = b - 1$$

$$\frac{+1}{4} = b$$



Solve 10 - 5x + 1 = 7x + 11 - 12x. 10 - 5x + 1 = 7x + 11 - 12x 10 - 5x + 1 = 7x + 11 - 12x 11 - 5x = 11 - 5x $\frac{+5x}{11} = \frac{+5x}{11\sqrt{2}}$ The equation 10 - 5x + 1 = 7x + 11 - 12x is an identity. All values of x will make the equation true. All real numbers are solutions.

Solve 12x - 3 + x = 5x - 4 + 8x.

12x - 3 + x = 5x - 4 + 8x 12x - 3 + x = 5x - 4 + 8x 13x - 3 = 13x - 4 -13x - 3 = -13x - 4-3 = -4 *

The equation 12x - 3 + x = 5x - 4 + 8x is a contradiction. There is no value of x that will make the equation true. There are no solutions.

NO SOLUTION OR INFINITELY MANY?	
(X − 2) − (X − 3) = 10 no solution	
(X + 7) − (X − 3) = 10 infinitely many solutions	

