## SOLVING EQUATIONS

Solve for x.  

$$5(4-2x) = x-3(2x-1)$$

$$20-10 X = X-6X+3$$
  
 $-3+10 X = -5X+3$ 

Multiply by the common denominator to eliminate all fractions!

$$20x - 30 = 6(x+4) + 15$$

$$20x - 30 = 6x + 39$$

$$\frac{2x+3=2x+3}{-2x-3}$$

$$0x=0$$
R

Solve for a.

$$2 h = \frac{2}{3}at^{2} + vt$$

$$2 h = at^{2} + 2vt$$

$$\frac{-2vt}{2h-2vt} = \frac{-2vt}{t^2}$$

## **Solving Equations:**

- 1) Get rid of fractions! Multiply EVERY term by the common denominator!
- 2) Combine like terms.
- 3) Move terms that are added/ subtracted.
- 4) Multiple/Divide by coefficient to isolate variable