## Solving Multi-Step Equations

Undo addition/subtraction first Undo multiplication/division second

- make sure that whatever operation is done to one side of the equation must be done to the other side of the equation.

Solve 1) 
$$5y - 3 = -23 + 3 + 3$$
  
 $5y = -20$   
 $5y = -20$   
 $5y = -4$ 

Solve 2) 
$$\times -3 \times +8 = 18$$
  
 $-2 \times +8 = 18$   
 $-8 -8$   
 $-2 \times = 10$   
 $\times = -5$ 

Solve 3) 
$$\frac{1}{3}m + 17 = 33$$
  
 $\frac{1}{7}m = 16$   
 $\frac{3}{1} \cdot \frac{1}{3}m = \frac{16}{1} \cdot \frac{3}{1}$ 

Solve 4) 
$$-\frac{2}{3}$$
 +  $+\frac{4}{5}$  +  $+\frac{4}{5}$  =  $+\frac{4}{5}$  +  $+\frac{4}{5}$  =  $+\frac{4}{5}$   $+\frac{4$ 

Solve 5) 
$$4n - 3 = 2\frac{1}{2}$$
  
 $+3 + 3$   
 $4n = 5\frac{1}{2}$  other ethod  
 $\frac{1}{4}$   $4n = \frac{11}{2}$  other ethod  
 $\frac{1}{4}$   $\frac{1}{4$