

1(a)  $x - 1 = 0$

$$x - \cancel{1} + \cancel{1} = 0 + 1$$

$$\Rightarrow x = 1$$

[to remove  $-1$  from LHS  
 $\therefore -1 + 1 = 0$ ]

(b)  $x + 1 = 0$

Subtracting 1 from both sides

$$x + \cancel{1} - \cancel{1} = 0 - 1$$

$$\Rightarrow x = -1$$

[to remove  $+1$  from LHS  
 $\therefore 1 - 1 = 0$ ]

(c)  $x - 1 = 5$

adding 1 on both sides

$$x - \cancel{1} + \cancel{1} = 5 + 1$$

$$\Rightarrow x = 6$$

(d)  $x + 6 = 2$

Subtracting 6 from both sides

$$x + \cancel{6} - \cancel{6} = 2 - 6$$

$$\Rightarrow x = -4$$

[to remove  $+6$  from  
LHS  
 $\therefore 6 - 6 = 0$ ]