$$(3) \int (x-5)^{3} = \sqrt{49} \rightarrow x^{2} = 49$$

$$\sqrt{x^{2}} = \sqrt{49}$$

$$\frac{3}{3} \frac{\lambda(x+c)^{2}}{\lambda(x+c)^{2}} = \frac{40}{2}$$

$$\sqrt{(x+c)^{2}} = \frac{40}{2}$$

$$\sqrt{(x+c)^{2}} = \frac{40}{2}$$

$$\sqrt{(x+c)^{2}} = \frac{40}{2}$$

## 4.7 Complete the Square \* Perfect square trinomials

Compact

Factor each binomiels compact 
$$X^2 + 10 \times + 25$$
  $(x + 5)(x + 5)$   $(x + 5)^2$   $(x + 5)^2$   $(x + 5)^2$   $(x + 6)^2$   $(x + 6)^2$ 

## To Solve

$$\frac{2}{x-8x+16}=25$$
Can we factor?
 $(x-4)(x-4) \rightarrow Compact$ 

$$x = 4 = 5$$
  
 $x = 4 = 5$   
 $x = 4 = 5$   
 $x = 4 = 7$   
 $x = 9, -1$   
 $x = 9, -1$ 

$$x^{2} - 14x + 49 = 27$$

$$(x-7)(x-7) = 27$$

$$\sqrt{(x-7)^{2}} = \sqrt{27}$$

$$x = 7 \pm 3\sqrt{3}$$

$$x = 7 \pm 3\sqrt{3}$$