

$$* \quad 5m + 11 = -3n$$

Determine whether  $\underline{m=2}$  and  $\underline{n=-7}$   
is a solution?

$$5m + 11 = -3n$$

$$\underbrace{5(2)} + 11 = \underbrace{-3(-7)}$$

$$\underbrace{10 + 11}$$

$$21 = 21 \quad \underline{\text{true}}$$

so  $\boxed{m=2 \text{ and } n=-7}$  is a solution

$\boxed{(2, -7)}$  ordered pair

Determine whether  $\underline{m=-3}$  and  $\underline{n=-4}$   
is a solution?

$$5m + 11 = -3n$$

$$\underbrace{5(-3)} + 11 = \underbrace{-3(-4)}$$

$$\underbrace{-15 + 11}$$

$$-4 \neq 12 \quad \text{Not true}$$

so  $(-3, -4)$  is Not a solution