

$$\begin{array}{l} \mathcal{Y}=(x-d)(x-b)\\ \text{Intercept form}\\ \text{where } e_1b \text{ are } x-ints\\ \text{when we Fotc}\\ \text{we change Intercept form}\\ \text{to standard form}\\ \mathcal{Y}=a\chi^2+b\chi+c \end{array}$$

$$\begin{array}{c} y = (x - 5)(2x + 3) & \text{Like Terms} \\ x - 5 = 0 & 2x + 3 = 0 \\ x = 5 & 2x = -3 \\ x = -3 \\ y = 2x^{2} + 3x - 10x - 15 \\ y = 2x^{2} + 3x - 10x - 15 \\ y = 2x^{2} - 7x - 15 \end{array}$$