

Game Problems

Factor

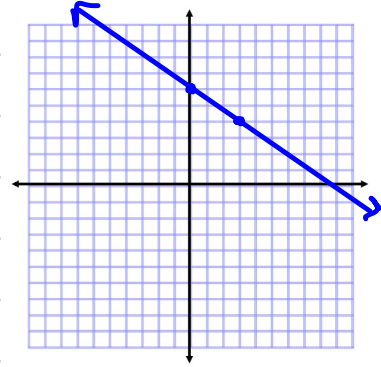
① $x^2 + 3x - 10$

$$\begin{array}{r} -10 \\ \times \quad 5 \\ \hline 3 \end{array} \begin{array}{r} -2 \\ \times \quad 3 \\ \hline x \end{array}$$

$$(x+5)(x-2)$$

② graph the line

$$y = -\frac{2}{3}x + 6$$



③ Complete the square

$$x^2 + 6x - 2 = 0$$

$$(x+3)^2 - 9 - 2 = 0$$

$$(x+3)^2 - 11 = 0$$

④ Evaluate

$$2(x+3 \cdot 2)^2 - 6(1-5) \quad \text{for } x=1$$

$$2(1+3 \cdot 2)^2 - 6(1-5)$$

$$2(1+6)^2 - 6(-4)$$

$$2(7)^2 - 6(-4)$$

$$2(49) - 6(-4)$$

$$98 + 24$$

$$122$$