

Change into vertex form by completing the square:

$$1) f(x) = x^2 + 8x + 12$$

$$f(x) = \underline{\hspace{1cm}} \left(\hspace{1cm} \right)^2 \underline{\hspace{1cm}}$$

-12

$-1/2$

$$f(x) - 12 = x^2 + 8x + \underline{\hspace{1cm}}$$

$$\left(x \right)^2$$

" $x^2 + bx$ "

$$\left(\frac{b}{2} \right)^2 = c \text{ term}$$

$$\frac{8}{2} =$$