

3.7.16

Have your Quiz corrections ready to turn in.

$$(x-2) + 2(x^2 - 2x - 1)$$

$$5x - 2 - 2x^2 + 4x + 2$$

expression above is rewritten in the

form $ax^2 + bx + c$, where a , b , and c are

what is the value of b ?

$$-5x^2 + 9x$$

$$ax^2 + bx + c$$

$$b = 9$$

$$(x-h)^2 + k$$

$$f(x) = (x+6)(x-4)$$

Which of the following is an equivalent form of the function f above in which the minimum value of f appears as a constant coefficient?

~~A) $f(x) = x^2 - 24$~~

~~B) $f(x) = x^2 + 2x - 24$~~

C) $f(x) = (x-1)^2 - 21$

D) $f(x) = (x+1)^2 - 25$

vertex form



	x	b
x	x^2	$6x$
-4	$-4x$	-24

$$f(x) = x^2 + 2x - 24$$

$$x = \frac{-b}{2a}$$

$$x = \frac{-2}{2(1)}$$

$$x = -1$$