Name: _____

Evaluating Quadratic Functions

A) Evaluate each function at the specified value.

1) $f(x) = 3x^2 - 5x + 15$; $x = -1$

2) $f(x) = (x - 4)^2 - 6x$; $x = 7$

_____   _____

B) Evaluate each function.

1) $f(x) = x^2 - 9x$; fir $^2 - 12x$; find $f(-3)$

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C) If $f(x) = -2x^2 + 6$; fir

1) $f(0)$ =   _____

3) $f(10)$ =   _____

D) If $f(x) = x^2 - 10x - 7$

1) $3f(15) + 5f(2)$ =   =   _____

3) $\dfrac{f(-3)}{4f(-1)}$ =   _____

4) $-6f(9) - f(12)$ =   _____

E) What is the value of $f(-13)$, if $f(x) = x(3x + 9) + 11$?

i)   401   ii)   −396   iii)   410   iv)   −398