

Evaluating Quadratic Functions

A) Evaluate each function at the specified value.

1) $f(x) = x(x - 13)$; $x = 9$

2) $f(x) = 6(x + 3)^2 + 3x$; $x = -14$

B) Evaluate each function.

1) $f(x) = 8 - 2x^2$; find

find $f(15)$

C) If $f(x) = (7x + 1)(-x +$

1) $f(1) =$ _____

3) $f(-4) =$ _____

D) If $f(x) = x^2 - 9$; find

1) $\frac{2f(-11)}{f(11)} =$ _____

3) $3f(5) \times f(0) =$ _____

4) $-7f(-3) - f(10) =$ _____

E) What is the value of $f(6)$, if $f(x) = 5x^2$?

i) 150

ii) -150

iii) 180

iv) -180

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