

Name: _____

Evaluating Quadratic Functions

T1MS2

A) Evaluate each function at the specified value. Round your answer to the nearest tenth.

1) $f(x) = 7x(x + 3)$; $x = \frac{3}{7}$

2) $f(x) = 3.2x + x^2 + 1.4$; $x = -2$

B) Evaluate each function. Round your answer to the nearest tenth.

1) $f(x) = \frac{1}{2}x^2 + 5x$

7 ; find $f(8.1)$

C) If $f(x) = 10x^2 - 7x + 3$

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the nearest tenth.

1) $f\left(-\frac{2}{3}\right) =$ _____

3) $f(8.3) =$ _____

D) If $f(x) = (4x + 1)(3x -$

to the nearest tenth.

1) $\frac{f(6)}{5f(2)}$

)

E) What is the value of $f(-3.2)$, if $f(x) = 6x(5x + 1)$?

i) -326.4

ii) 326.4

iii) 288

iv) -288