

Name : _____

Evaluating Quadratic Functions

T2MS3

Evaluate each quadratic function for the given x -value.

1) $f(x) = 4x^2 - x - 1$ at $x = -\frac{1}{6}$

2) $f(x) = 3(2x - 7)^2 + 2$ at $x = -0.4$

3) $f(x) = 7(2x + 7)$

$x + 13$ at $x = \frac{2}{5}$

5) $f(x) = -x^2 + 6x$

$7x$ at $x = 6.2$

7) $f(x) = 5x^2 + 8$

$(3x + 10)$ at $x = -\frac{7}{3}$

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9) $f(x) = (x + 4)^2 - 11$ at $x = -\frac{3}{2}$

10) $f(x) = -8x^2 - 19x - 16$ at $x = 1.3$