

## Evaluating Quadratic Functions

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

1)  $f(x) = \frac{1}{3}x^2 + 8x$ ;  $x = 3$

\_\_\_\_\_

2)  $f(x) = -4x^2 + 11$ ;  $x = -7.5$

\_\_\_\_\_

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

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

\_\_\_\_\_

7) ; find  $f(5)$

\_\_\_\_\_

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C) If  $f(x) = 3x - 12x^2$ ; find  $f(x)$  at the nearest tenth.

1)  $f\left(\frac{1}{4}\right) =$  \_\_\_\_\_

3)  $f(3.9) =$  \_\_\_\_\_

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

1)  $-f(-6) - 5f(1.2)$

\_\_\_\_\_

t tenth.

l.1)

E) What is the value of  $f(2)$ , if  $f(x) = \frac{6}{5}x(x + 4)$

i)  $\frac{2}{5}$

ii)  $\frac{19}{5}$

iii) 14

iv)  $\frac{72}{5}$

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**27**

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**-214**

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**$-\frac{5}{6}$**

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**-43.2**

**18.9**

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