



# Evaluating Functions

Name \_\_\_\_\_

Score \_\_\_\_\_

EF:15

1) Evaluate the following functions for  $f(8)$ .

a)  $f(x) = -x^2$

b)  $f(x) = x(x - 7)$

c)  $f(x) = \frac{x}{4} - 11$

2) Evaluate the following functions for  $f(5)$ .

a)  $f(x) = 2x(x^2 - 20)$

b)  $f(x) = (x - 5)(x + 4)$

c)  $f(x) = -6x$

3) Evaluate the following functions for  $f(-7)$ .

a)  $f(x) = \frac{x - 11}{9}$

b)  $f(x) = -6 - 5x$

c)  $f(x) = 4x^2 + 1$

4) Evaluate the following functions for  $f(-6)$ .

a)  $f(x) = -11x$

b)  $f(x) = 2(x^2 - 1)$

c)  $f(x) = x^2 + 5x - 9$



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## Answer key

EF:15

1) Evaluate the following functions for  $f(8)$ .

a)  $f(x) = -x^2$

**-64**

b)  $f(x) = x(x - 7)$

**8**

c)  $f(x) = \frac{x}{4} - 11$

**-9**

2) Evaluate the following functions for  $f(5)$ .

a)  $f(x) = 2x(x^2 - 20)$

**50**

b)  $f(x) = (x - 5)(x + 4)$

**0**

c)  $f(x) = -6x$

**-30**

3) Evaluate the following functions for  $f(-7)$ .

a)  $f(x) = \frac{x - 11}{9}$

**-2**

b)  $f(x) = -6 - 5x$

**29**

c)  $f(x) = 4x^2 + 1$

**197**

4) Evaluate the following functions for  $f(-6)$ .

a)  $f(x) = -11x$

**66**

b)  $f(x) = 2(x^2 - 1)$

**70**

c)  $f(x) = x^2 + 5x - 9$

**-3**