



# Evaluating Functions

Name \_\_\_\_\_

Score \_\_\_\_\_

EF:II:14

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

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

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

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

2) Evaluate the following functions for  $g(8)$ .

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

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

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

3) Evaluate the following functions for  $h(-6)$ .

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

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

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

4) Evaluate the following functions for  $p(5)$ .

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

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

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



# Evaluating Functions

## Answer key

Name \_\_\_\_\_

Score \_\_\_\_\_

EF:II:14

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

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

**-2**

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

**-42**

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

**197**

2) Evaluate the following functions for  $g(8)$ .

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

**-64**

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

**8**

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

**-9**

3) Evaluate the following functions for  $h(-6)$ .

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

**66**

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

**70**

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

**-3**

4) Evaluate the following functions for  $p(5)$ .

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

**50**

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

**0**

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

**-30**