



Evaluating Functions

Name _____

Score _____

EF:II:13

1) Evaluate the following functions for $g(-2)$.

a) $g(x) = \frac{x}{2} - 1$

b) $g(x) = x^3 + 12x$

c) $g(x) = x + 1$

2) Evaluate the following functions for $p(3)$.

a) $p(x) = 2x^3$

b) $p(x) = (x + 1)(x - 5)$

c) $p(x) = 2x^2 + x - 30$

3) Evaluate the following functions for $f(0)$.

a) $f(x) = 5 - x$

b) $f(x) = \frac{x - 1}{5}$

c) $f(x) = (x + 10)(x + 11)$

4) Evaluate the following functions for $h(-1)$.

a) $h(x) = x(2x - 7)$

b) $h(x) = -5x^2$

c) $h(x) = x^3 + 1$



Evaluating Functions

Answer key

Name _____

Score _____

EF:II:13

1) Evaluate the following functions for $g(-2)$.

a) $g(x) = \frac{x}{2} - 1$

-2

b) $g(x) = x^3 + 12x$

-32

c) $g(x) = x + 1$

-1

2) Evaluate the following functions for $p(3)$.

a) $p(x) = 2x^3$

54

b) $p(x) = (x + 1)(x - 5)$

-8

c) $p(x) = 2x^2 + x - 30$

-9

3) Evaluate the following functions for $f(0)$.

a) $f(x) = 5 - x$

5

b) $f(x) = \frac{x-1}{5}$

$-\frac{1}{5}$

c) $f(x) = (x + 10)(x + 11)$

110

4) Evaluate the following functions for $h(-1)$.

a) $h(x) = x(2x - 7)$

9

b) $h(x) = -5x^2$

-5

c) $h(x) = x^3 + 1$

0