



Evaluating Functions

Name _____

Score _____

EF:13

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

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

b) $f(x) = 3x$

c) $f(x) = 2x^3 + 5$

2) Evaluate the following functions for $f(10)$.

a) $f(x) = -4 - x$

b) $f(x) = \frac{x}{2}$

c) $f(x) = x^2 - 2x - 4$

3) Evaluate the following functions for $f(-5)$.

a) $f(x) = 2(x^2 + 1)$

b) $f(x) = 4x + 3$

c) $f(x) = 2x + x^3$

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

a) $f(x) = -\frac{x+2}{4}$

b) $f(x) = 3x(2x - 11)$

c) $f(x) = (x - 6)(x + 2)$



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Answer key

EF:13

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

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

-4

b) $f(x) = 3x$

-12

c) $f(x) = 2x^3 + 5$

-123

2) Evaluate the following functions for $f(10)$.

a) $f(x) = -4 - x$

-14

b) $f(x) = \frac{x}{2}$

5

c) $f(x) = x^2 - 2x - 4$

76

3) Evaluate the following functions for $f(-5)$.

a) $f(x) = 2(x^2 + 1)$

52

b) $f(x) = 4x + 3$

-17

c) $f(x) = 2x + x^3$

-135

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

a) $f(x) = -\frac{x+2}{4}$

-2

b) $f(x) = 3x(2x - 11)$

18

c) $f(x) = (x - 6)(x + 2)$

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