Evaluating Functions

1) Evaluate the following functions for f(0).

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

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

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

2) Evaluate the following functions for f(−1).

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

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

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

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

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

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

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

4) Evaluate the following functions for f(−2).

   a) $f(x) = \dfrac{x}{2} - 1$

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

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

Evaluating Functions

Name _____

Score _____

Answer key

EF:14

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1) Evaluate the following functions for f(0).

   a) $f(x) = 5 - x$
               b) $f(x) = \dfrac{x - 1}{5}$
               c) $f(x) = (x + 10)(x + 11)$

    5 $-\dfrac{1}{5}$ **110**

2) Evaluate the following functions for f(−1).

   a) $f(x) = x(2x - 7)$
             b) $f(x) = -5x^2$
             c) $f(x) = x^3 + 1$

    9   **−5**   **0**

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

   a) $f(x) = 2x^3$
              b) $f(x) = (x + 1)(x - 5)$
          c) $f(x) = 2x^2 + x - 30$

    54   **−8**   **−9**

4) Evaluate the following functions for f(−2).

   a) $f(x) = \dfrac{x}{2} - 1$
            b) $f(x) = x^3 + 12x$
           c) $f(x) = x + 1$

    −2   **−32**   **−1**