Evaluating Functions

1) If $f(x) = -7 - x$, then find the following.

    a) $f(-7)$ b) $f(-4)$ c) $f(1)$ d) $f(11)$

2) If $f(x) = x^2 + 4x - 6$, then find the following.

    a) $f(0)$ b) $f(-6)$ c) $f(8)$ d) $f(-10)$

3) If $f(x) = -x^3$, then find the following.

    a) $f(-1)$ b) $f(2)$ c) $f(-4)$ d) $f(3)$

4) If $f(x) = (x + 5)(2x - 3)$, then find the following.

    a) $f(4)$ b) $f(9)$ c) $f(-3)$ d) $f(-6)$

Evaluating Functions

Answer key

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1) If $f(x) = -7 - x$, then find the following.

   a) $f(-7)$ b) $f(-4)$ c) $f(1)$ d) $f(11)$

   0   **−3**   **−8**   **−18**

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2) If $f(x) = x^2 + 4x - 6$, then find the following.

   a) $f(0)$ b) $f(-6)$ c) $f(8)$ d) $f(-10)$

   −6   **6**   **90**   **54**

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3) If $f(x) = -x^3$, then find the following.

   a) $f(-1)$ b) $f(2)$ c) $f(-4)$ d) $f(3)$

   1   **−8**   **64**   **−27**

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4) If $f(x) = (x + 5)(2x - 3)$, then find the following.

   a) $f(4)$ b) $f(9)$ c) $f(-3)$ d) $f(-6)$

   45   **210**   **−18**   **15**