Evaluating Functions

1) If $f(x) = \dfrac{x+5}{4}$, then find the following.

   a)   f(3)   b)   f(–6)   c)   f(–9)   d)   f(15)

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

   a)   f(2)   b)   f(3)   c)   f(–1)   d)   f(0)

3) If $f(x) = 3(-1 - x)$, then find the following.

   a)   f(5)   b)   f(–10)   c)   f(8)   d)   f(–12)

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

   a)   f(1)   b)   f(4)   c)   f(–2)   d)   f(–1)

Evaluating Functions

Answer key

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1) If $f(x) = \dfrac{x+5}{4}$, then find the following.

   a) f(3)   b) f(−6)   c) f(−9)   d) f(15)

     2   **$-\dfrac{1}{4}$**   **−1**   **5**

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

   a) f(2)   b) f(3)   c) f(−1)   d) f(0)

     6   **25**   **−3**   **−2**

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3) If $f(x) = 3(-1 - x)$, then find the following.

   a) f(5)   b) f(−10)   c) f(8)   d) f(−12)

     −18   **27**   **−27**   **33**

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

   a) f(1)   b) f(4)   c) f(−2)   d) f(−1)

     −7   **−1**   **5**   **−1**