

**Assignment:**

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For each function, evaluate  $f(0)$ ,  $f\left(\frac{3}{2}\right)$ , and  $f(-1)$ .

12.  $f(x) = 7x - 4$

13.  $f(x) = -x^2 + x$

14.  $f(x) = -2x^2 + 1$

A set of input values is sometimes referred to as the *replacement set* for the independent variable. Evaluate each function for the given replacement set.

23.  $f(x) = 3x - 6; \left\{-3.5, -1, \frac{1}{4}, 2, 11\right\}$

24.  $f(x) = x(1 - 2x); \left\{-8, \frac{2}{3}, 1, 9, 4\right\}$

25.  $f(x) = \frac{2x - 1}{3}; \left\{-4, 0, \frac{1}{2}, 5\right\}$

26.  $f(x) = (x - 1)^2 + 4; \left\{-6, -\frac{3}{2}, 1, 4\right\}$

Determine whether each relation is a function. (*Lesson 1-6*)

65.  $\left\{(-1, -5), (-2, 0.5), (-4, 5), \left(-5, \frac{1}{2}\right)\right\}$

66.  $\{(-1, 3), (-1, 4), (-1, 5), (-1, 6)\}$