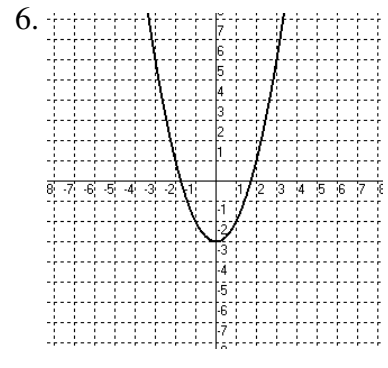
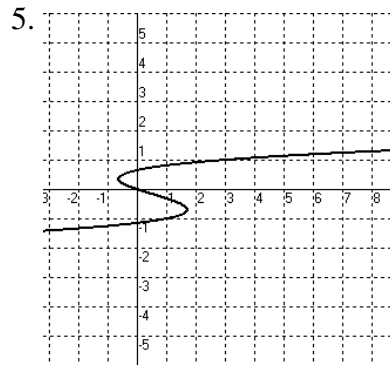
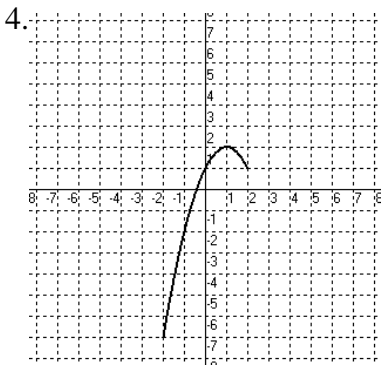
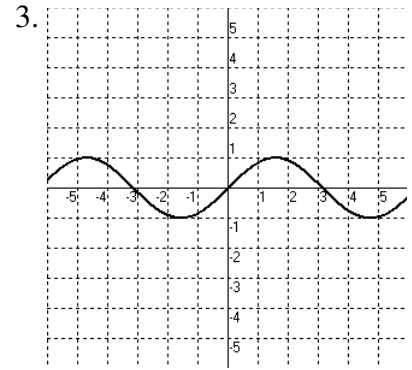
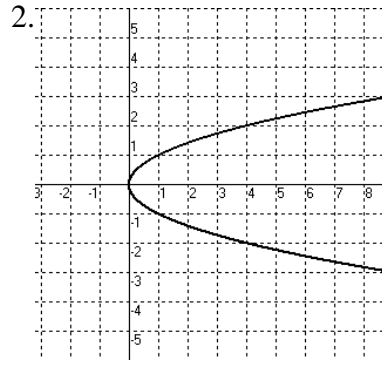
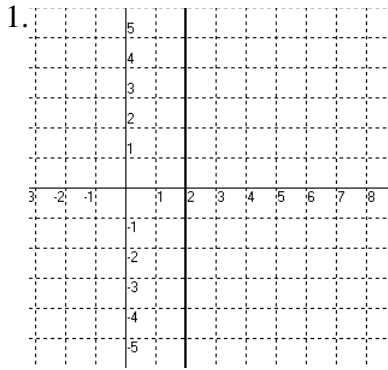


## Functions

Determine whether or not the following represent functions.



7.  $\{(2, -5), (3, -8), (-2, -5), (4, 1)\}$     8.  $\{(-3, -4), (2, 10), (5, 7)\}$     9.  $\{(2.6, 7.3), (-4.8, -8.2), (7.2, -11.2)\}$

10.  $\{(-4, 5), (-6, 7), (-4, -7)\}$     11.  $\{(45, 72), (26, 80), (71, 35), (32, 39), (45, 74), (56, -6)\}$

Find the implied domain of the following.

12.  $f(x) = 2x - 5$     13.  $f(x) = \frac{3x}{x-4}$     14.  $f(x) = \frac{9}{5}x + 2$     15.  $f(x) = \sqrt{x+4}$

16.  $f(x) = \sqrt{2x-1}$     17.  $f(x) = \frac{x+9}{2x-9}$     18.  $f(x) = x^3 + 3x - 17$     19.  $f(x) = 9x + 12$

20.  $\{(-4, 5), (-6, 7), (-4, -7)\}$     21.  $\{(-3, -4), (2, 10), (5, 7)\}$     22.  $\{(2, -5), (3, -8), (-2, -5), (4, 1)\}$