Name: _____ **Date:** _____

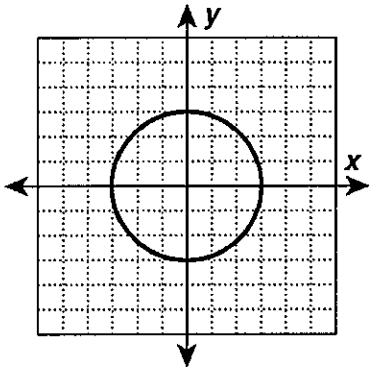
Functions Do Now

Multiple Choice
Identify the choice that best completes the statement or answers the question.

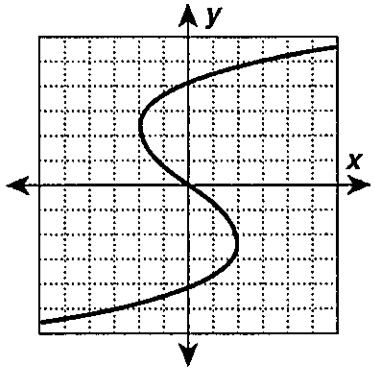
1. Which set of ordered pairs represents a function?
   a. (2, 5), (1, 6), (0, 5), (1, 10)
   b. (0, 0), (1, 1), (2, 0), (3, 3)
   c. (2, 1), (3, 1), (5, 1), (5, 4)
   d. (5, 4), (4, 5), (1, 2), (1, 4)

2. Which graph shows a function?

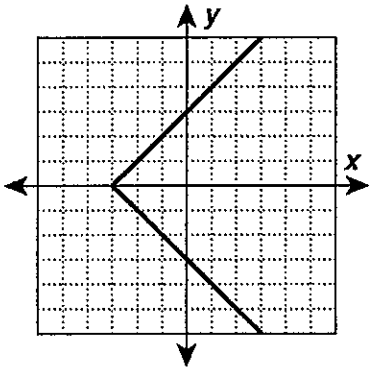
a.



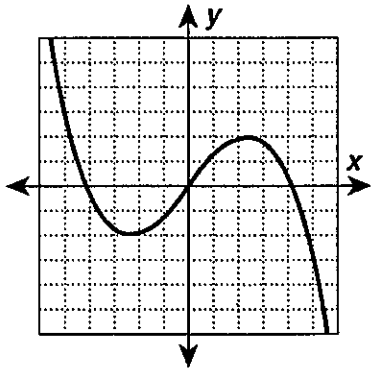
c.



b.



d.



3. Which set of points represents a function?

a. (4,2), (4,−2), (2,5), (2,−5)

b. (−3,9), (−2,4), (0,0), (−2,4)

c. (-3,7), (7,3), (-3,4),(-7,-3)

d. (3,0), (0,6), (1,5), (0,0)

4. Which of these functions is *not* a linear function?

a. $f(x) = x$

b. $f(x) = 3^x$

c. $f(x) = 3x$

d. $f(x) = 3x - 2$

5. Determine if the relation represents a function.

x	y
0	−5
1	−1
2	3
3	6

a. The relation is a function.

b. The relation is not a function.

6. Which of these tables shows direct variation?

a.

x	−1	0	1	2
y	18	21	24	28

b.

x	−1	0	1	2
y	−3	0	3	6

c.

x	−1	0	1	2
y	1	3	6	10

d.

x	−1	0	1	2
y	−2	−1	1	2