Functions F1 – The Basics

For 1 – 8: a) find the domain and range of the relation.

b) Determine if the relation is a function (yes or no).

1. {(2, 3), (3, 6), (6, 1), (3, 5)}

2. {(5, 3), (2, 5), (1, 5), (3, 0)}

3

4.

5.

6.

7.

8.
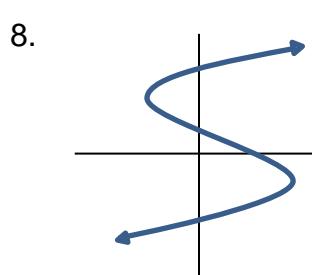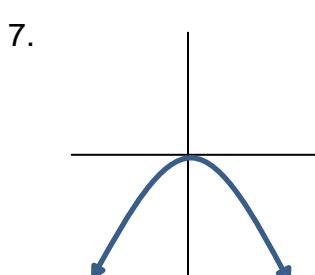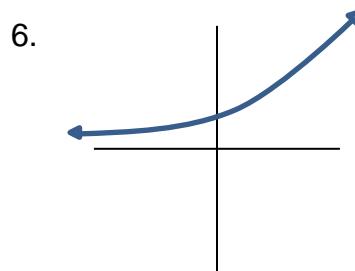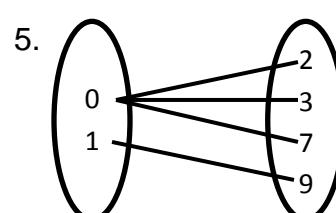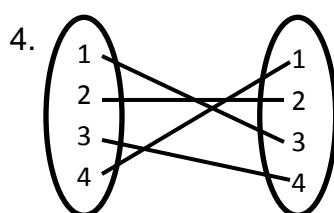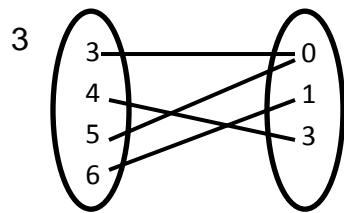
For 9 – 12, $f(x) = 2x + 7,$ $g(x) = x^2 - 3x + 1,$ $and\ h(x) = 4 - 3x$

Find: 9. $f(-2)$ 10. $g(2)$ 11. $h(-1)$ 12. $g(0)$

For 13 – 15: Graph each and determine if it is a function or not. If YES, state it's domain and range.

13. $f(x) = 3x - 2$ 14. $f(x) = \sqrt{x}$