NAME_____DATE_____PER._____

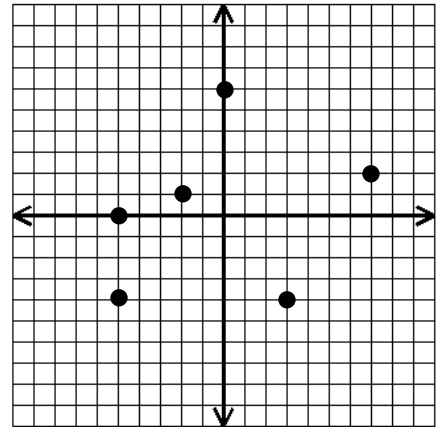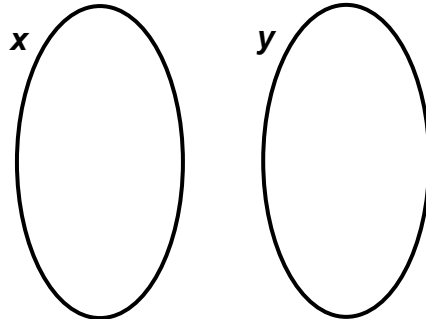### RETEST REVIEW: FUNCTIONS PART 1

Use the graph given to answer the following.

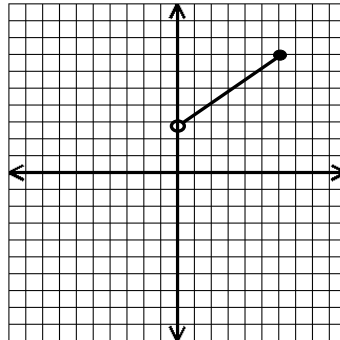| 1. List the ordered pairs in this relation	2. Create a mapping.
(_____, _____) (_____, _____) (_____, _____) (_____, _____) (_____, _____) (_____, _____)	*x* ⬭ *y* ⬭

3. Give the domain. _____

4. Give the range. _____

5. Is this relation a function? _____ Why or why not?

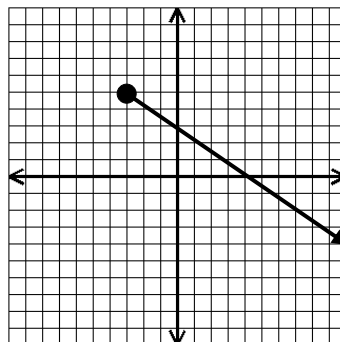**For each of the graphs below, state the domain and range.**

6. D = _____

   R = _____

7. D = _____

   R = _____
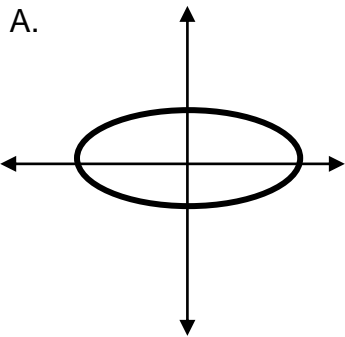
If f(x) = 2 – 3x and g(x) = x² +6, find the following.

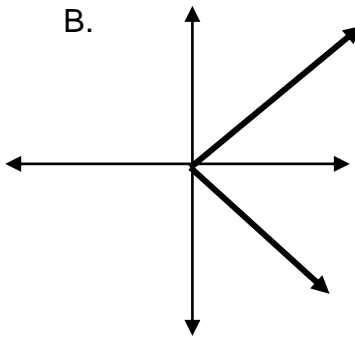| 8. f(-3) =	9. g(-2) =	10. g(3) – f(2) =

11. Which of the following is a function?

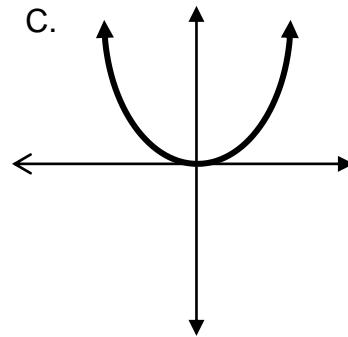A.   B.   C.   D.
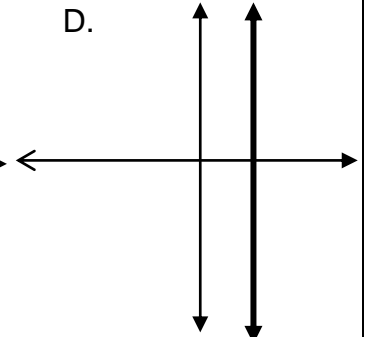

12. Which of the following relations is not a function?

A. {(3, 7), (5, -3), (3, 7)}   C. {(3, 7), (5, 4), (9, -1)}

B. {(4, 4), (6, 6), (5, 5)}   D. {(7, 3), (8, -6), (6, 5)}

13. Which of the following relations is a function?

I. {(3, 4), (4, 5), (3, 6)}
II. {(3, 4), (4, 4), (5, 4)}
III. {(3, 6), (3, 5), (3, 4)}
IV. {(3, 6), (4, 5), (5, 3)}

A. I and II only   C. I, II, and III only

B. II and IV only   D. II and III only