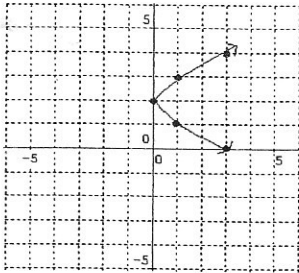


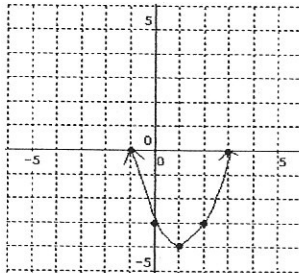
- Which of the following statements is true?
  - A A relation includes both domain and range.
  - B Dependent variables directly affect the value of the independent variable.
  - C The input is the range and the output is the domain.
  - D The vertical line test is a test to see if graph is linear.

2. Identify which of the following are functions.

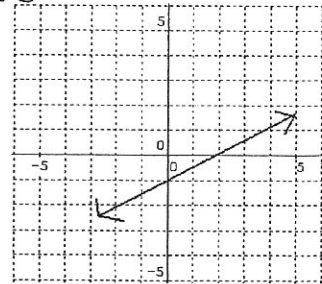
i.



ii.



iii. C



- A graph i
  - B graphs ii and iii
  - C graphs i and ii
  - D graph iii
- Which graph from question 2 is linear?
    - A graph i
    - B graphs ii and iii
    - C graphs i and ii
    - D graph iii
  - Which of the following equations produces a linear function?
    - A  $y = x^2$
    - B  $y = 2x + 3$
    - C  $y = |x|$
    - D  $y = 2x^2 + 3x - 2$

5. Which table of values is NOT a function?

A)

In	Out
-3	-2
-2	-2
-1	-2
0	-2
1	-2
2	-2
3	-2

B)

In	Out
-3	5
-2	6
-1	7
0	8
1	9
2	10
3	11

C)

In	Out
-3	-10
-2	-8
-1	-6
0	-4
-1	-2
-2	0
-3	-2

D)

In	Out
-3	7
-2	5
-1	3
0	-1
1	-3
2	-5
3	-7

- Which of the following does NOT represent a way to determine if something is a function or not?
  - A The graph passes the vertical line test.
  - B The table of values has one input for every output.
  - C The table of values has one output for every input.
  - D None of the above.

7. Which represents the domain of the following relation?  $\{(-6, 5), (-4, 3), (-1, 0), (4, 3)\}$  as a list.

- A  ~~$\{-6, 3, 8, 3\}$~~
- B  ~~$\{-6, 4, 1, 0, 4\}$~~
- C  ~~$\{-6, 3, 1, 0\}$~~
- D  ~~$\{-6, 4, -1, 0\}$~~