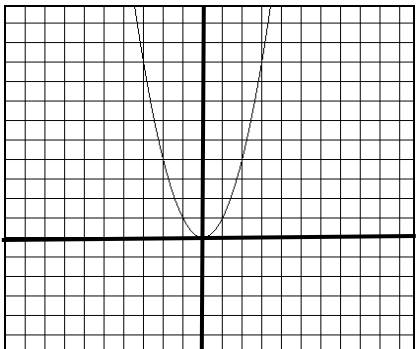


# Algebra I EOC Practice #15

SPI 3102.3.6: Interpret various relations in multiple representations.

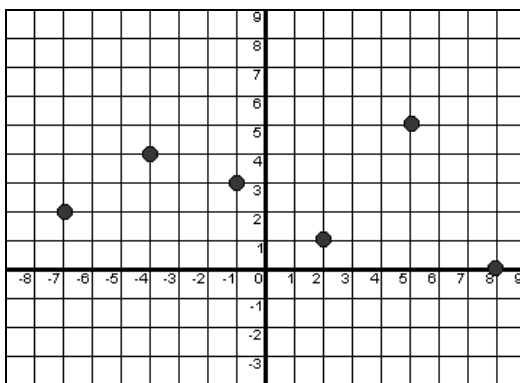
1. This graph represents a relation.



Which set of ordered pairs is included in this relation?

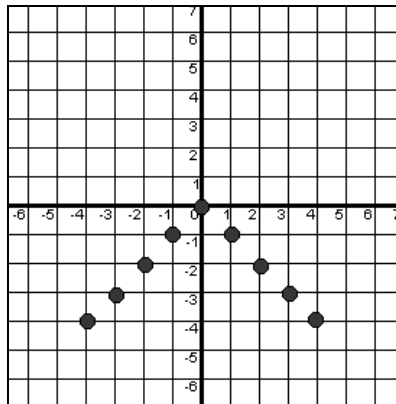
- A.  $\{(9, -3), (4, -2), (0, 0), (1, 1)\}$
- B.  $\{(-3, 9), (-2, 4), (0, 0), (1, 1)\}$
- C.  $\{(-9, 3), (-4, 2), (0, 0), (1, 1)\}$
- D.  $\{(3, -9), (2, -4), (1, -1), (0, 0)\}$

2. Which set represents the relation shown on the graph?



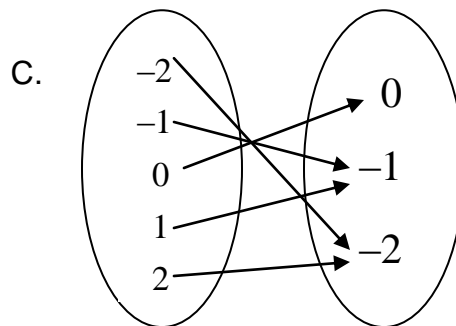
- A.  $\{-7, -4, -1, 2, 5, 8\}$
- B.  $\{2, 4, 3, 1, 5, 0\}$
- C.  $\{(-7, 2), (-4, 4), (-1, 3), (2, 1), (5, 5), (8, 0)\}$
- D.  $\{(2, -7), (4, -4), (3, -1), (1, 2), (5, 5), (0, 8)\}$

3. Observe the relation.



Which is not an equivalent representation for this relation for the set of integers?

- A.  $y = |x|$
- B.  $\{(-4, -4), (-1, -1), (0, 0), (2, 2), (3, 3)\}$



D.

| x  | y  |
|----|----|
| -3 | -3 |
| -2 | -2 |
| -1 | -1 |
| 0  | 0  |
| 1  | -1 |
| 2  | -2 |
| 3  | -3 |