## **Relations and Functions**

Do all work on notebook paper. All work should be neat and organized.

Write the following sets as sets of ordered pairs and identify the domain and range.

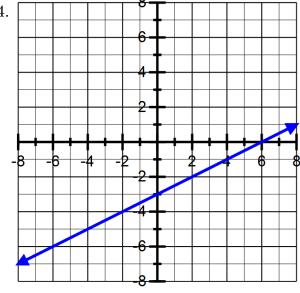
1. 
$$V = \left\{ (x, y) : y = -2x + 7, x = -5, 0, 2, 1, \frac{3}{2} \right\}$$
 3.  $X = \left\{ (x, y) : y = \sqrt{2x - 1}, x = 1, 3, 5, \frac{1}{2} \right\}$ 

3. 
$$X = \left\{ (x, y) : y = \sqrt{2x - 1}, x = 1, 3, 5, \frac{1}{2} \right\}$$

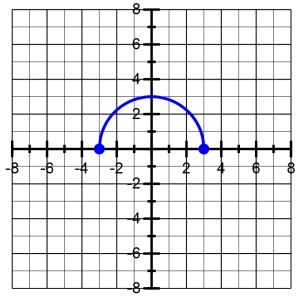
2. 
$$Z = \{(x, y) : y = |x| + 3, x = -2, 0, 2\}$$

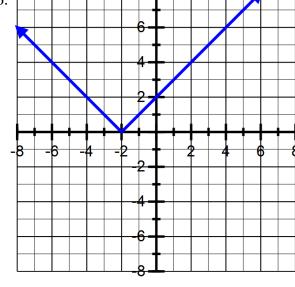
Determine the domain and range of each relation whose graph is given. Determine which of the following are graphs of functions.





## 5.





7.

