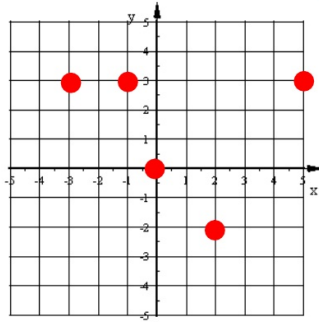


What is the domain and range each relation?

A. Discrete Graph

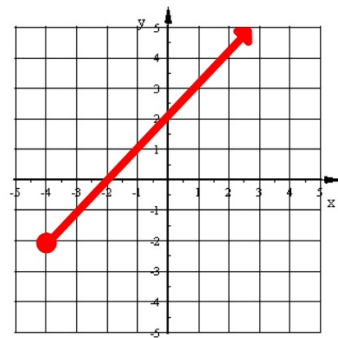


Domain and Range can be listed as individual numbers

Domain:  $\{-3, -1, 0, 2, 5\}$

Range:  $\{-2, 0, 3\}$

B. Continuous Graph



Since there are an infinite number of Domain and Range values they are given as inequalities.

Domain:  $x \geq -4$

Range:  $y \geq -2$

Describe the shape each graph should have and if applicable whether it should open up or open down.

1.  $y = -2|x + 3| - 8$

V-shape  
Opens Down

2.  $y = 2x - 7$

Line  
Moves to Up & to the Right

3.  $y = 5(x - 1)^2 + 9$

Parabola  
Opens Up

4.  $y = -x + 5$

Line  
Moves Down and to the Right