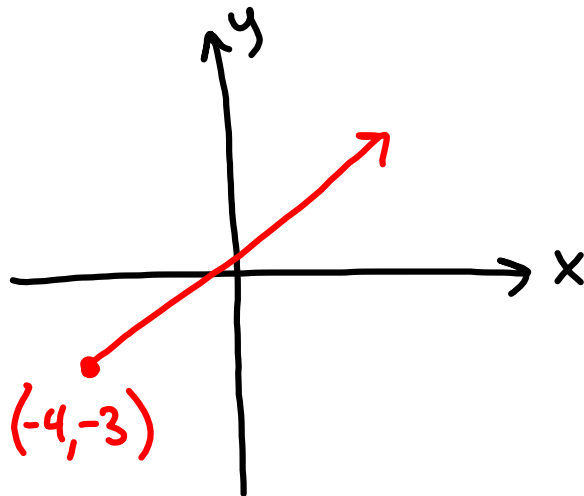


## Domain & Range (continued)

ex. 4



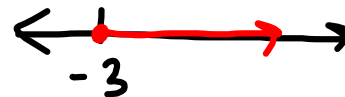
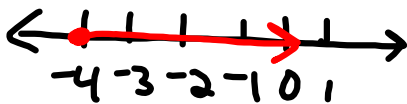
### Domain

All x-values greater than or equal to -4

### Range

All y-values greater than or equal to -3

### Number line



### Interval Notation

$$x \in [-4, \infty)$$

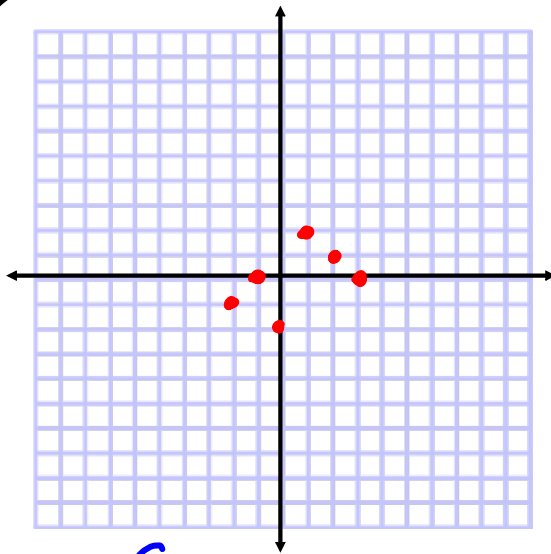
$$y \in [-3, \infty)$$

### Set Notation

$$D: \{x \mid x \geq -4, x \in \mathbb{R}\}$$

$$R: \{y \mid y \geq -3, y \in \mathbb{R}\}$$

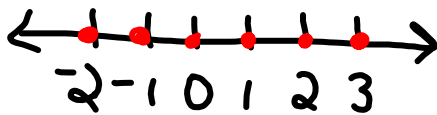
ex. 5



$(-2, -1)$   $(-1, 0)$   
 $(0, -2)$   $(1, 2)$   
 $(2, 1)$   $(3, 0)$

Domain  $\{-2, -1, 0, 1, 2, 3\}$   
 Range  $\{-2, -1, 0, 1, 2\}$

Number Line



\* Interval Notation  
 CANNOT be done for  
 discrete data (dotted)

Set Notation

$$D: \{x \mid x = -2, -1, 0, 1, 2, 3\}$$

or

$$D: \{x \mid -2 \leq x \leq 3, x \in \mathbb{I}\}$$

$\uparrow$   
 integers only