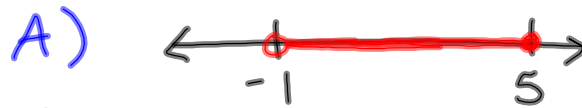


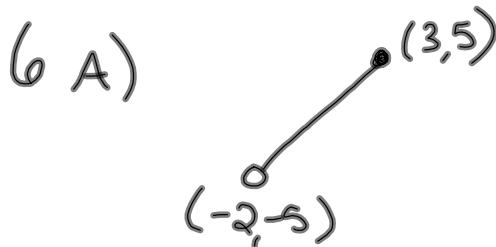
Domain | Range Worksheets

#5.



B) $(-1, 5]$

C) $\{x \mid -1 < x \leq 5, x \in \mathbb{R}\}$



Function
Continuous

Domain

All x-values between -2 to 3, but not including -2.

Range

All y-values between -5 to 5, but not including -5.



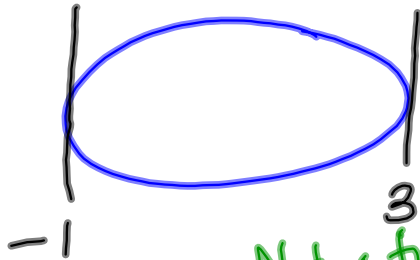
$(-2, 3]$



$(-5, 5]$

$\{x \mid -2 < x \leq 3, x \in \mathbb{R}\}$ $\{y \mid -5 < y \leq 5, y \in \mathbb{R}\}$

6B)



Not a function
Continuous

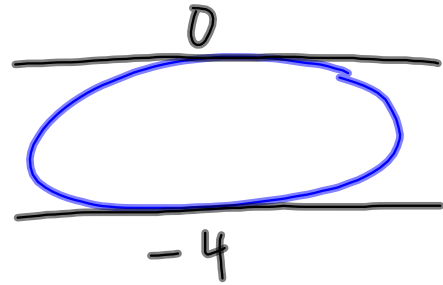
Domain

All x-values from
-1 to 3



$$[-1, 3]$$

$$\{x \mid -1 \leq x \leq 3, x \in \mathbb{R}\}$$



Range

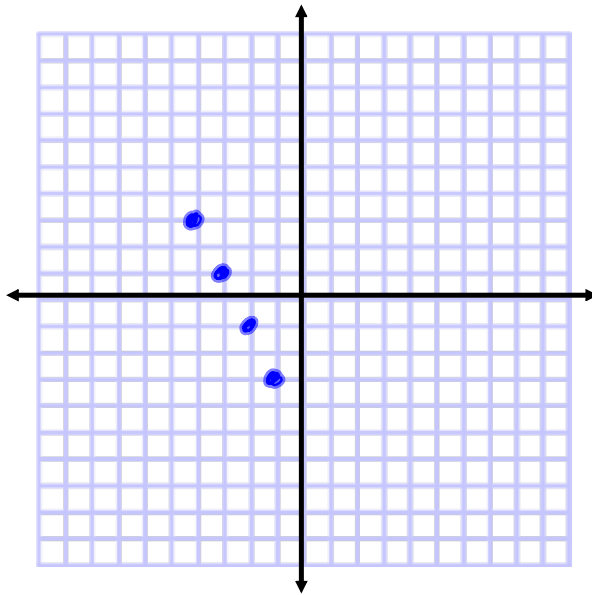
All y-values from
-4 to 0.



$$[-4, 0]$$

$$\{y \mid -4 \leq y \leq 0, y \in \mathbb{R}\}$$

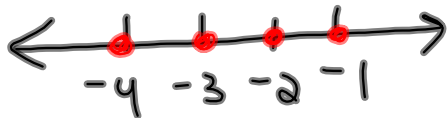
6C



Function
Discrete

Domain

All integers from
-4 to -1.

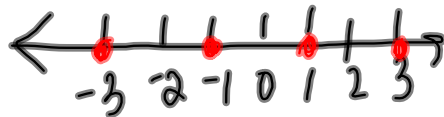


* can't be described
using interval notation
if not Real #s.

$$\{x \mid -4 \leq x \leq -1, x \in \mathbb{I}\}$$

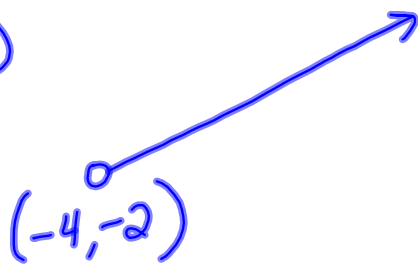
Range

$$\{-3, -1, 1, 3\}$$



$$\{y \mid y = -3, -1, 1, 3\}$$

(6D)

Domain

All x-values
greater than -4.



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

$$\{x \mid x > -4, x \in \mathbb{R}\}$$

or

$$-4 < x$$

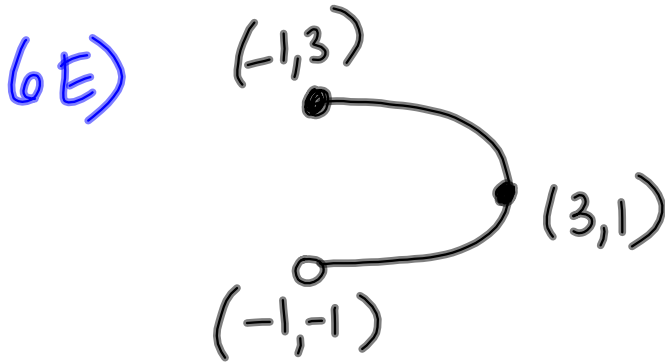
Function
ContinuousRange

All y-values greater
than -2.



$$y \in (-2, \infty)$$

$$\{y \mid y > -2, y \in \mathbb{R}\}$$



Not a function
Continuous

Domain

All x-values
from -1 to 3



$$[-1, 3]$$

$$\{x \mid -1 \leq x \leq 3, x \in \mathbb{R}\}$$

Range

All y-values from -1
to 3, but not including -1.



$$(-1, 3]$$

$$\{y \mid -1 < y \leq 3, y \in \mathbb{R}\}$$