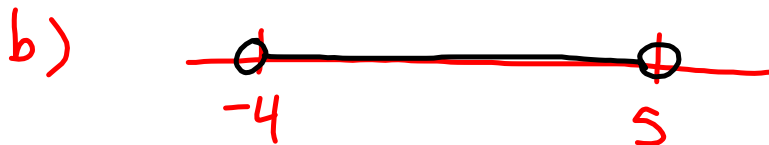


Feb. 28 sheet.

1a) all values from -4 to 5, not including -4 or 5



c)  $\{x \mid -4 < x < 5, x \in \mathbb{R}\}$

2a) all values from -3 to 4, not including 4

b)  $[-3, 4)$

c)  $\{x \mid -3 \leq x < 4, x \in \mathbb{R}\}$

3. Not a function  
continuous

Domain: all values from  
-1 to 3, not including  
-1.

Range: All values from 1 to 8, not including 4

Domain:  $(-1, 3]$

Range:  $[1, 4) \cup (4, 8]$

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

$R: \{y \mid 1 \leq y \leq 8, y \neq 4, y \in \mathbb{R}\}$

4. function  
discrete

Domain  $\Rightarrow$   $x$ -values  $x = -4, -3, -2, -1$

All integers from  $-4$  to  $-1$

Range  $\Rightarrow$   $y$ -values;  $y = -3, -1, 1, 3$

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

$$R: \{y \mid y = -3, -1, 1, 3, y \in \mathbb{I}\}$$