

Unit 1 Linear Functions
 Review Day Practice
 Function, Domain, Range Worksheet

S < - < L

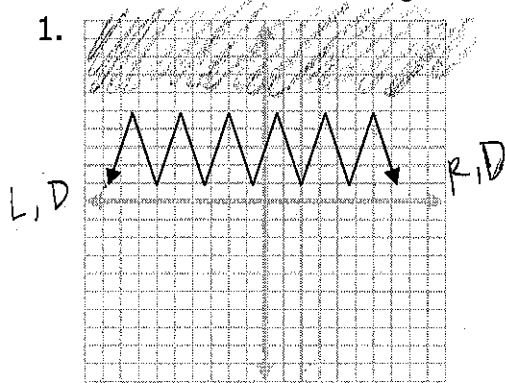
Name _____
 Hour _____ Date _____

ALWAYS use < signs!



For each of the following:

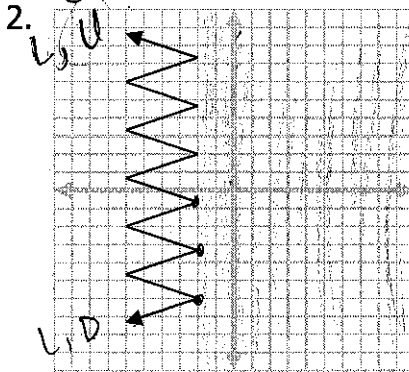
- a. Determine whether each is a function.
- b. State the domain. - put in x values look L, look R
- c. State the range. - get out y values look D, look U



1a. FUNCTION

1b. $-\infty < x < \infty$

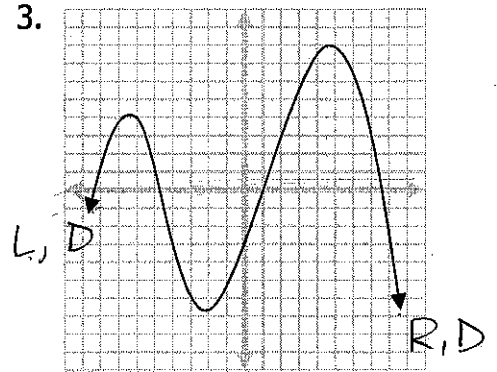
1c. $-\infty < y < 5$



2a. NOT a function

2b. $-\infty < x < -2$

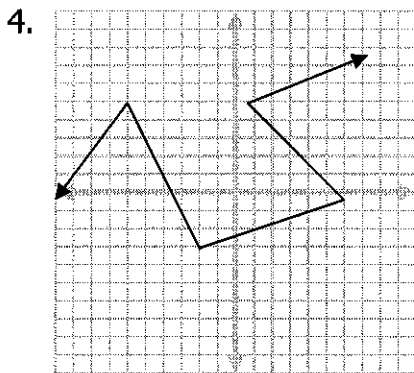
2c. $-\infty < y < \infty$



3a. FUNCTION

3b. $-\infty < x < \infty$

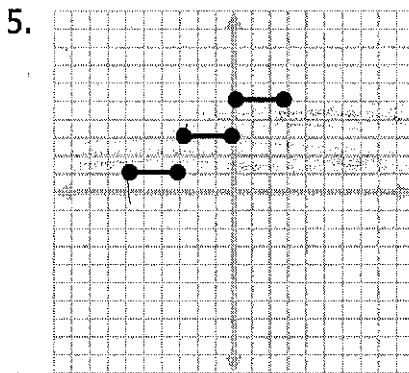
3c. $-\infty < y < 8$



4a. NOT a function

4b. $-\infty < x < \infty$

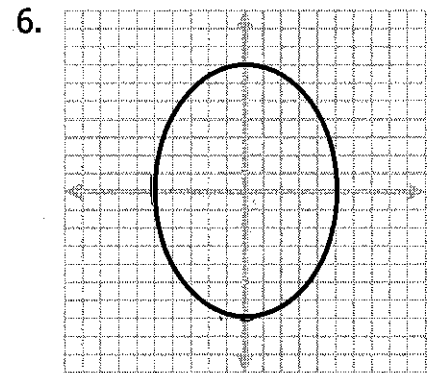
4c. $-\infty < y < \infty$



5a. NOT a function

5b. $-6 \leq x \leq 3$

5c. $\{1, 3, 5\}$

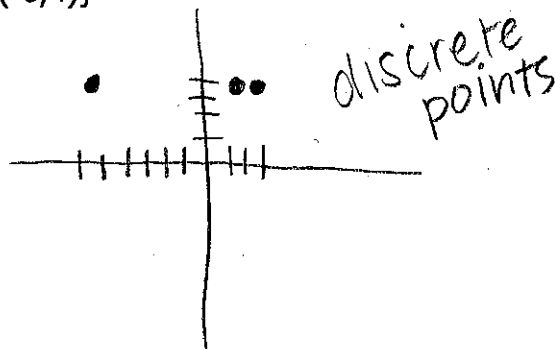


6a. NOT a function

6b. $-5 < x < 5$

6c. $-7 < y < 7$

7. $\{(3,4), (2,4), (-6,4)\}$

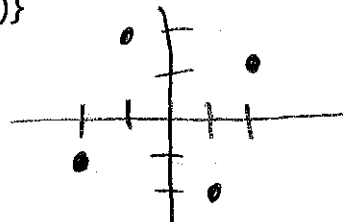


7a. FUNCTION

7b. $\{-6, 2, 3\}$

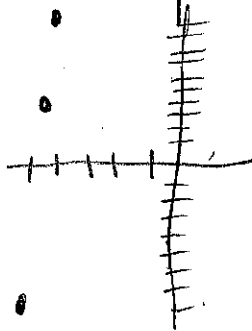
7c. $\{4\}$

8. $\{(-1,2),(1,-2),(2,1),(-2,-1)\}$



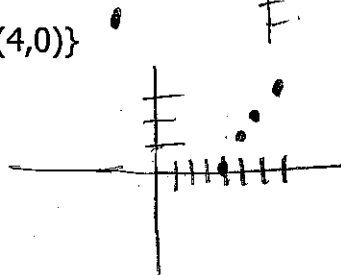
- 8a. FUNCTION
 8b. $\{-2, -1, 1, 2\}$
 8c. $\{-2, -1, 1, 2\}$

9. $\{(-5,4),(-5,-8),(-5,10)\}$



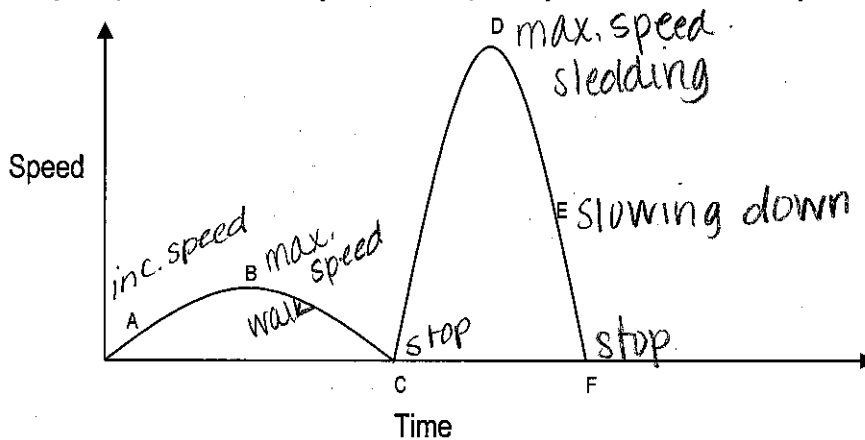
- 9a. NOT a function
 9b. $\{-5\}$
 9c. $\{-8, 4, 10\}$

10. $\{(7,3),(6,2),(5,1),(4,0)\}$



- 10a. FUNCTION
 10b. $\{4, 5, 6, 7\}$
 10c. $\{0, 1, 2, 3\}$

11. The event "climbing a hill and sledding down" is graphed. Describe the sledder's journey at points A – F. (Be careful, the y-axis is labeled Speed, NOT height.)



- A walking on not-too-steep part of hill
 B walking near top, steep & tired, slowing down
 C sits on sled
 D fastest sledding speed
 E sliding on flat part at bottom of hill
 F stops & stands up. GO AGAIN!