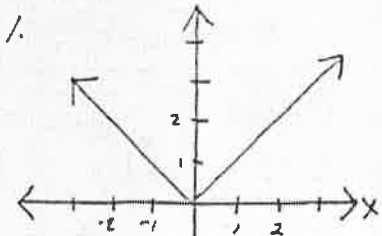


Given the graphs of the following relations, determine if each represents a function.  
State the domain and range for each.

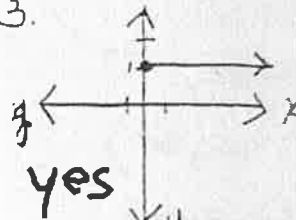
$[-2, 2] \cup [-1, -1] \cup [0, 0] \cup [1, 1] \cup [2, 2]$

$[0, 0] \cup [1, 1] \cup [2, 2]$



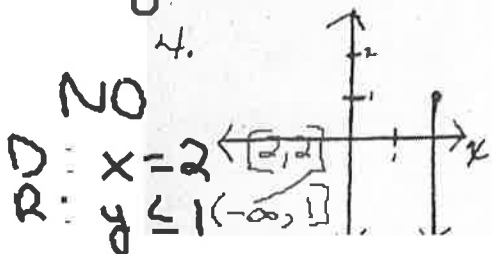
yes  
D:  $\mathbb{R}$   $(-\infty, \infty)$   
R:  $y \geq 0$   $[0, \infty)$

NO  
D:  $\{-2, -1, 0, 1, 2\}$   
R:  $\{0, 1, 2\}$



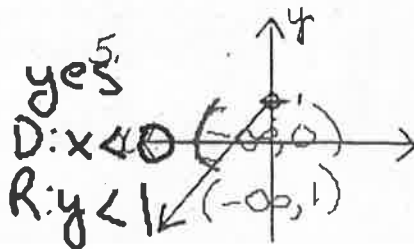
yes  
D:  $x \geq 0$   $[0, \infty)$   
R:  $y = 1$   $[1, 1]$

4.



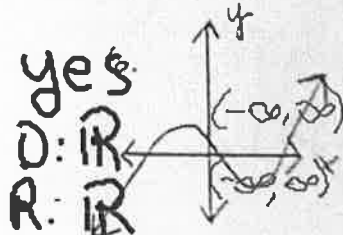
NO  
D:  $x = 2$   $[2, 2]$   
R:  $y \leq 1$   $(-\infty, 1]$

5.



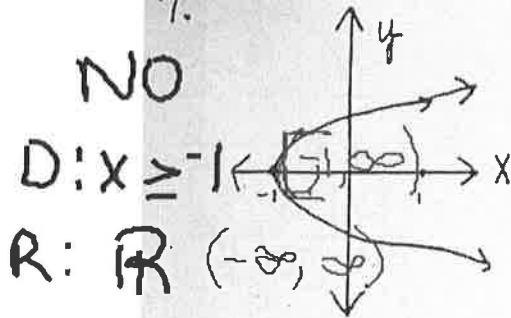
yes  
D:  $x < 0$   $(-\infty, 0)$   
R:  $y < 1$   $(-\infty, 1)$

6.



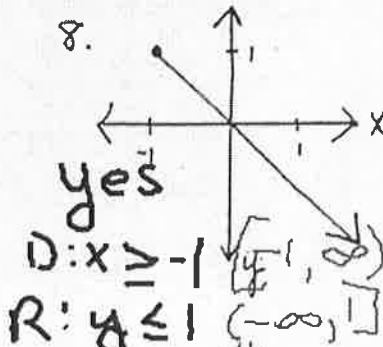
yes  
D:  $\mathbb{R}$   
R:  $\mathbb{R}$

7.



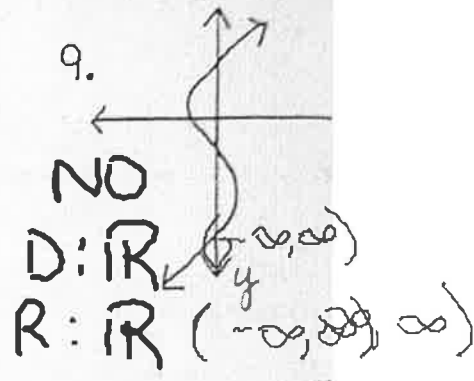
NO  
D:  $x \geq -1$   $[-1, \infty)$   
R:  $\mathbb{R}$   $(-\infty, \infty)$

8.



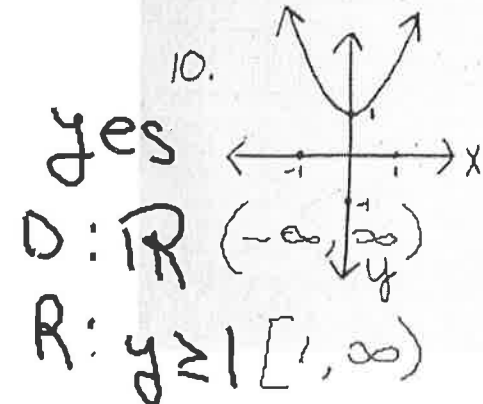
yes  
D:  $x \geq -1$   $[-1, \infty)$   
R:  $y \leq 1$   $(-\infty, 1]$

9.



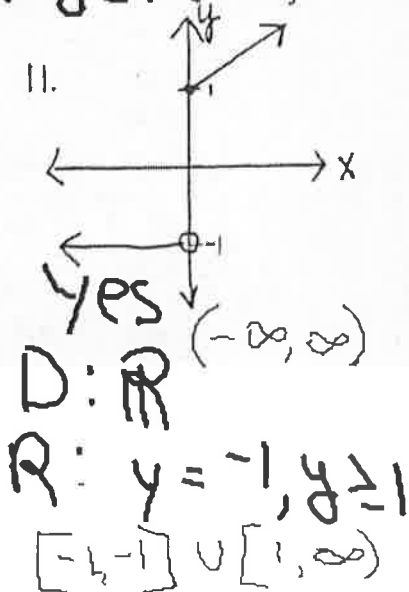
NO  
D:  $\mathbb{R}$   
R:  $\mathbb{R}$

10.



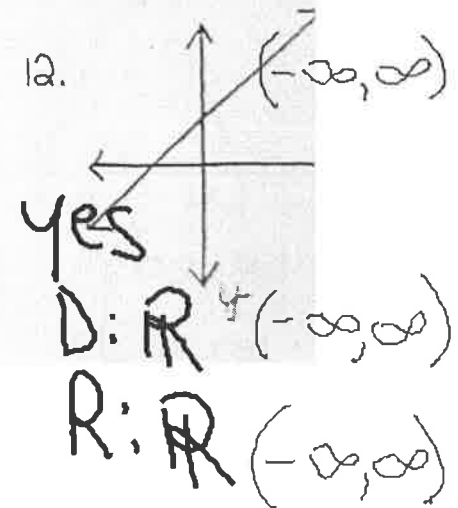
yes  
D:  $\mathbb{R}$   $(-\infty, \infty)$   
R:  $y \geq 1$   $[1, \infty)$

11.



yes  
D:  $\mathbb{R}$   
R:  $y = -1, y \geq 1$   
 $[-1, -1] \cup [1, \infty)$

12.



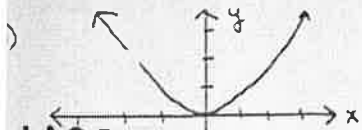
yes  
D:  $\mathbb{R}$   $(-\infty, \infty)$   
R:  $\mathbb{R}$   $(-\infty, \infty)$

# All Answers in interval notation

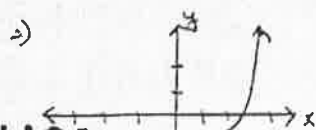
ALGEBRA II  
WORKSHEET (236)  
Homework 2.2A

NAME \_\_\_\_\_  
PERIOD \_\_\_\_\_

I. Given the graphs of the following relations, determine if each represents a function. State the domain and range for each.



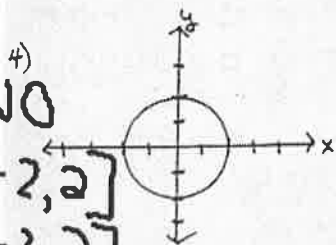
yes  
D:  $(-\infty, \infty)$   
R:  $[0, \infty)$



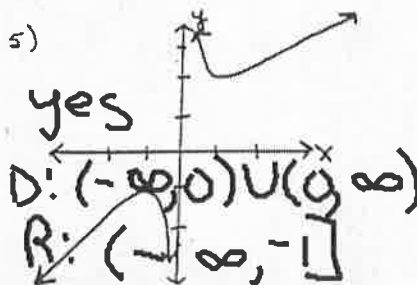
yes  
D:  $(-\infty, \infty)$   
R:  $(-\infty, \infty)$



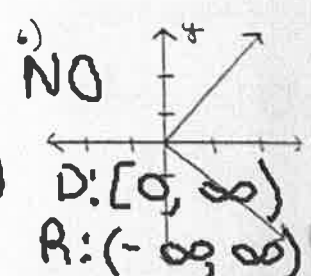
NO  
D:  $[0, \infty)$   
R:  $(-\infty, \infty)$



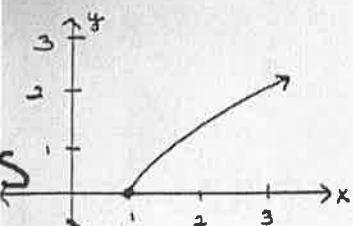
NO  
D:  $[-2, 2]$   
R:  $[-2, 2]$



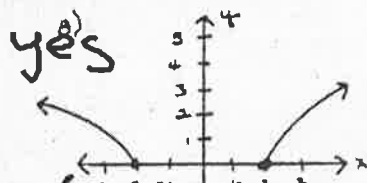
yes  
D:  $(-\infty, 0) \cup (0, \infty)$   
R:  $(-\infty, -1]$



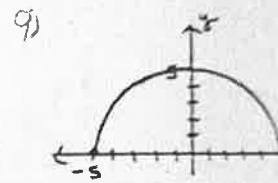
NO  
D:  $[0, \infty)$   
R:  $(-\infty, \infty)$



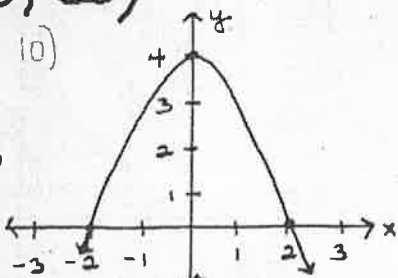
yes  
D:  $[1, \infty)$   
R:  $[0, \infty)$



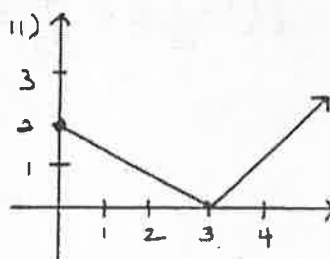
yes  
D:  $(-\infty, -2] \cup [2, \infty)$   
R:  $[0, \infty)$



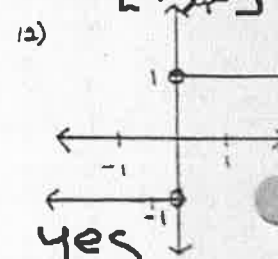
yes  
D:  $[-5, 5]$   
R:  $[0, 5]$



yes  
D:  $(-\infty, \infty)$   
R:  $(-\infty, 4]$



yes  
D:  $[0, \infty)$   
R:  $[0, \infty)$



yes  
D:  $(-\infty, 0) \cup (0, \infty)$   
R:  $[-1] \cup [1]$