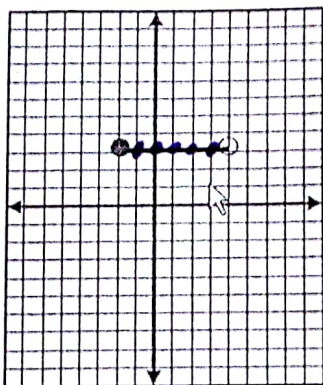


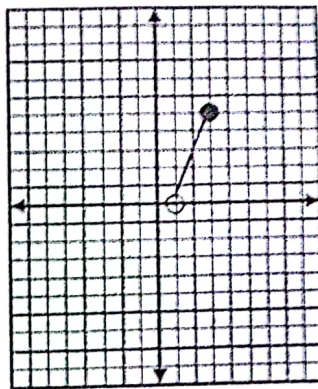
# Interval & Inequality Notation Practice

1.



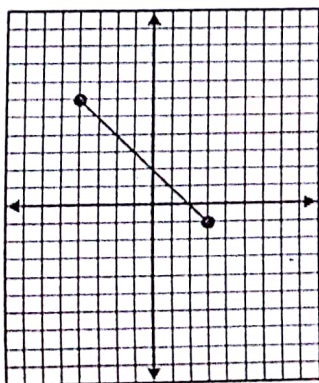
Domain:  $-2 \leq x < 4$  Interval:  $[-2, 4)$   
 Range:  $y = 3$  Interval:  $[3]$

2.



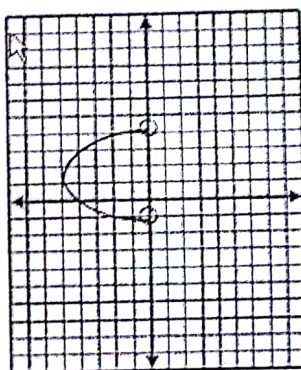
Domain:  $1 < x \leq 3$  Interval:  $(1, 3]$   
 Range:  $0 < y \leq 5$  Interval:  $(0, 5]$

3.



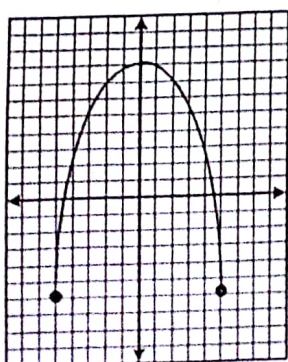
D: ineq: \_\_\_\_\_ Interval: \_\_\_\_\_  
 R: ineq: \_\_\_\_\_ Interval: \_\_\_\_\_

4.



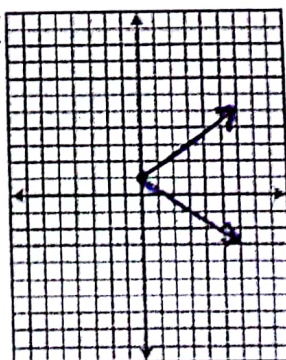
D: ineq: \_\_\_\_\_ Interval: \_\_\_\_\_  
 R: ineq: \_\_\_\_\_ Interval: \_\_\_\_\_

5.



D: ineq: \_\_\_\_\_ Interval: \_\_\_\_\_  
 R: ineq: \_\_\_\_\_ Interval: \_\_\_\_\_

6.



D: ineq:  $0 \leq x$  Interval:  $[0, \infty)$   
 R: ineq:  $\mathbb{R}$  Interval:  $(-\infty, \infty)$

③ D  $[-4, 3]$   $-4 \leq x \leq 3$

R  $[-1, 6]$   $-1 \leq y \leq 6$

④ D  $[-5, 0)$   $-5 \leq x < 0$

R  $(-1, 4)$   $-1 < y < 4$

⑤ D  $[-5, 5]$   $-5 \leq x \leq 5$

R  $[-6, 8]$   $-6 \leq y \leq 8$

⑦ D  $(-\infty, \infty)$   $\mathbb{R}$

R  $[5]$   $y = 5$

⑧ D  $[4]$   $x = 4$

R  $(-\infty, \infty)$   $\mathbb{R}$

⑨ D  $(-\infty, \infty)$   $\mathbb{R}$

R  $(-\infty, \infty)$   $\mathbb{R}$