

Algebra II  
Chapter 2 , Section 3

Finding Domains and Ranges of Relations

A) Graph each of the following relations. Label the domain and range for each relation.

1)  $y = x^2 - 3$

2)  $y = -\sqrt{25 - x^2}$

3)  $y = \frac{5}{2}x - 3$

4)  $x = (y + 2)^2 - 3$

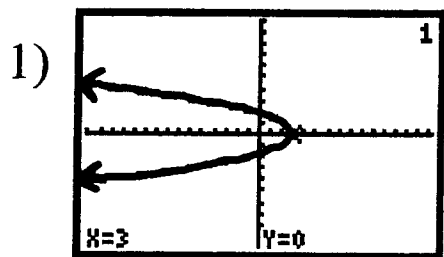
5)  $y^2 = 36 - x^2$

6)  $2x + 3y + 12 = 0$

7)  $y = \frac{1}{x^2}$

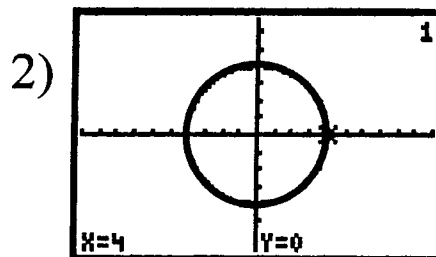
8)  $y = |x| + x$

**B)** Label the domain and range of each graph using interval notation.



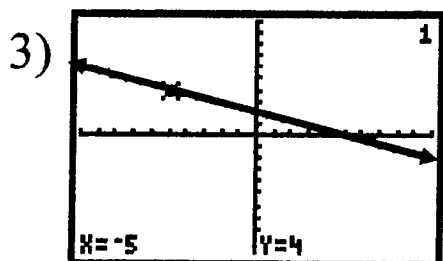
domain: \_\_\_\_\_

range: \_\_\_\_\_



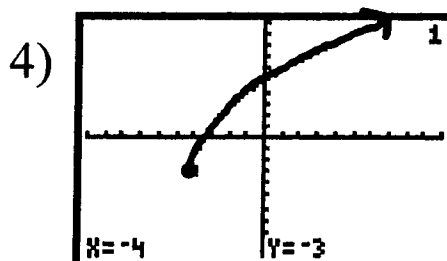
domain: \_\_\_\_\_

range: \_\_\_\_\_



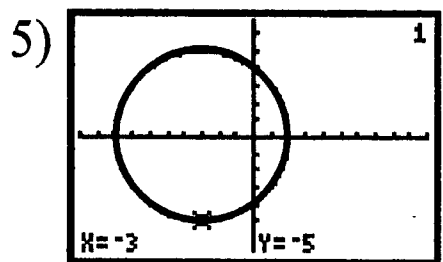
domain: \_\_\_\_\_

range: \_\_\_\_\_



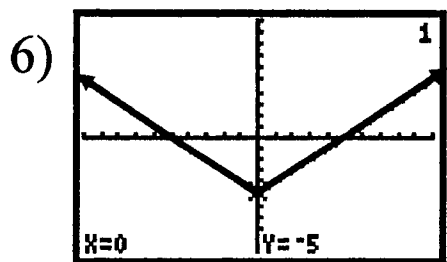
domain: \_\_\_\_\_

range: \_\_\_\_\_



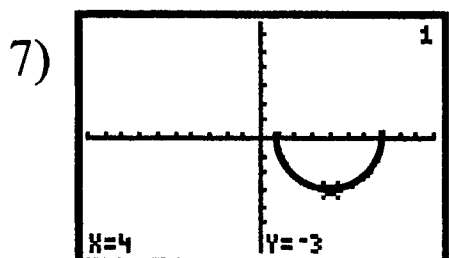
domain: \_\_\_\_\_

range: \_\_\_\_\_



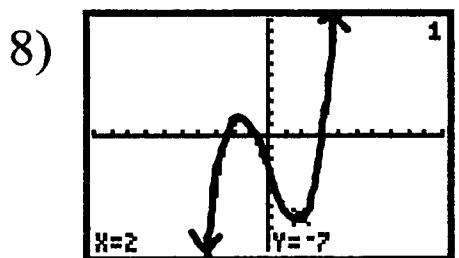
domain: \_\_\_\_\_

range: \_\_\_\_\_



domain: \_\_\_\_\_

range: \_\_\_\_\_



domain: \_\_\_\_\_

range: \_\_\_\_\_