

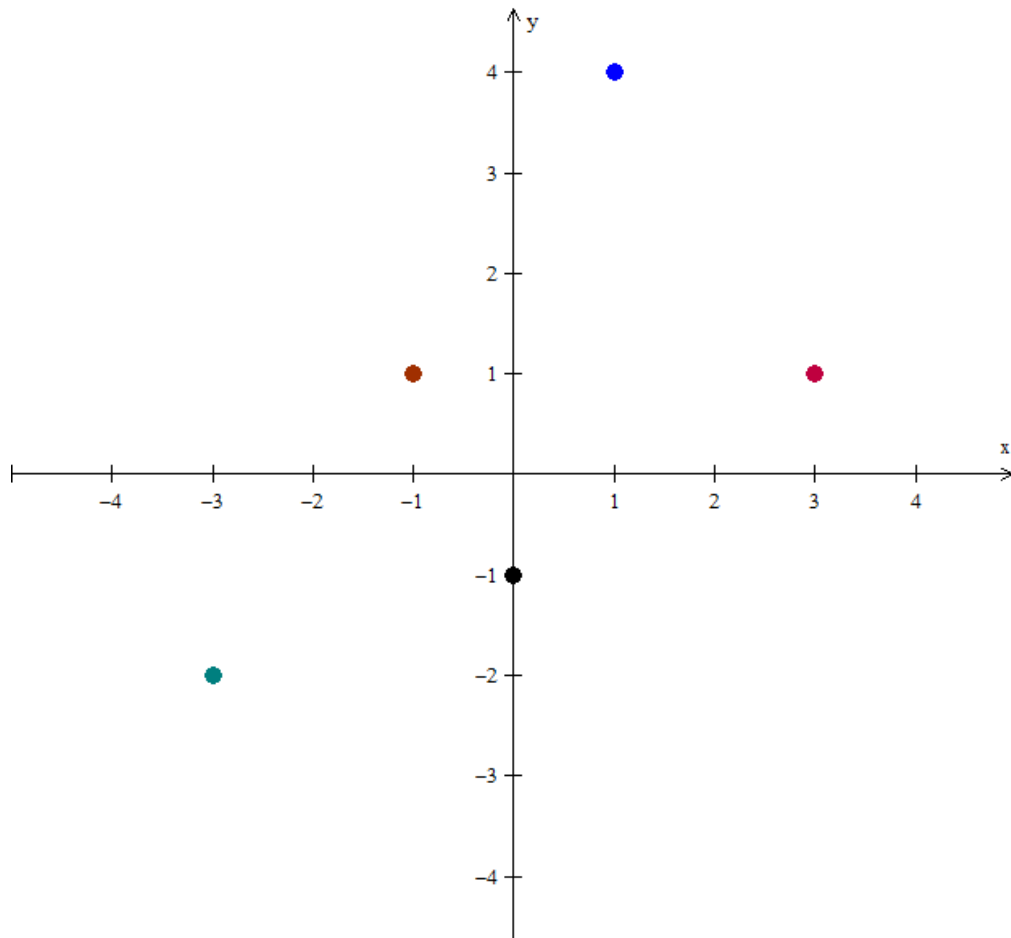
Homework: Relations

In Problems 1-3, write each relation as a map. Then identify the domain and the range of the relation.

1. $\{(3,1), (-4,2), (5,-3), (1,4)\}$	2. $\{(7,2), (-2,2), (7,1), (-1,-3)\}$
3. $\{(8,1), (8,3), (5,1), (5,3)\}$	

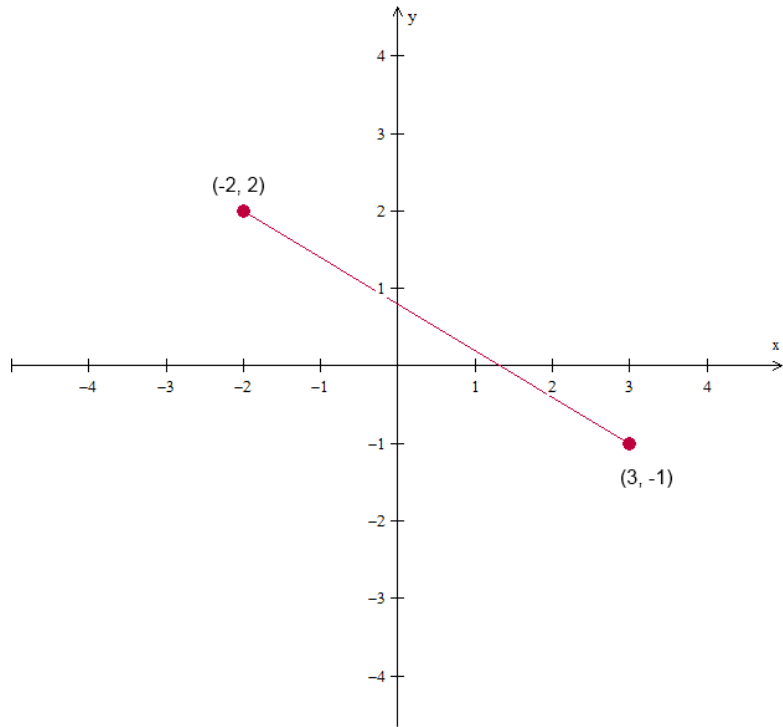
In Problems 4-7, identify the domain and the range of the relation from the graph.

4.

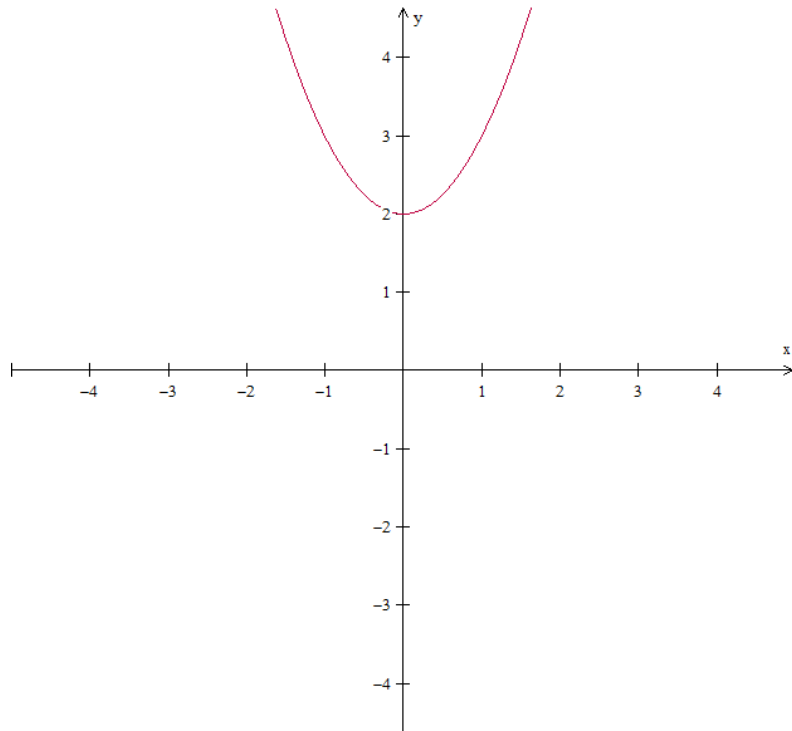


Homework: Relations

5.

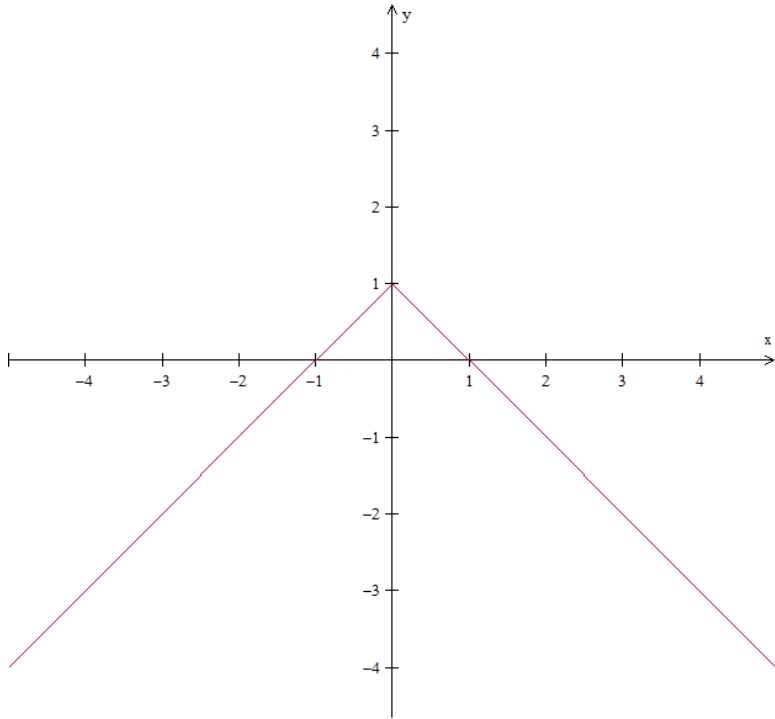


6.



Homework: Relations

7.



In Problems 8-17, use the graph of the relation to identify the domain and the range of the relation.

8. $y = 4x + 2$	9. $y = \frac{-1}{3}x + 2$
10. $3x + y = 2$	11. $y = x^2 - 3$
12. $y = -x^2 + 4$	13. $y = x^3 - 1$
14. $y = -x^3$	15. $y = - x + 4$
16. $y = x - 1 + 3$	17. $y = x + 2 $