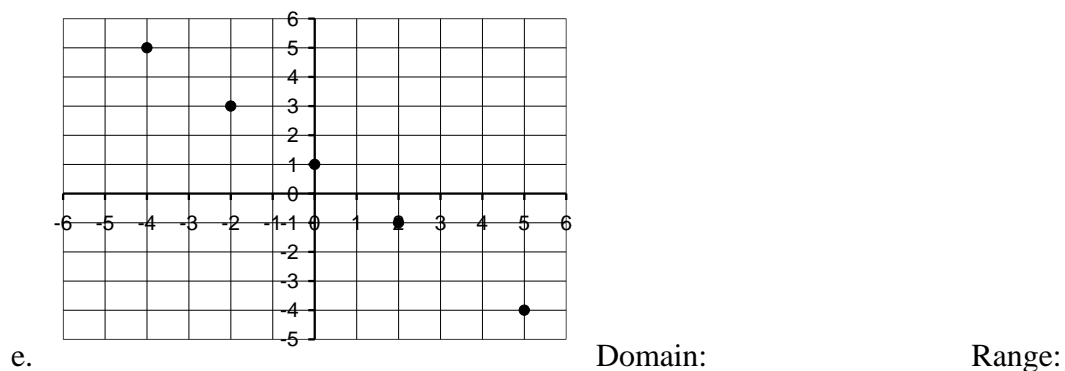
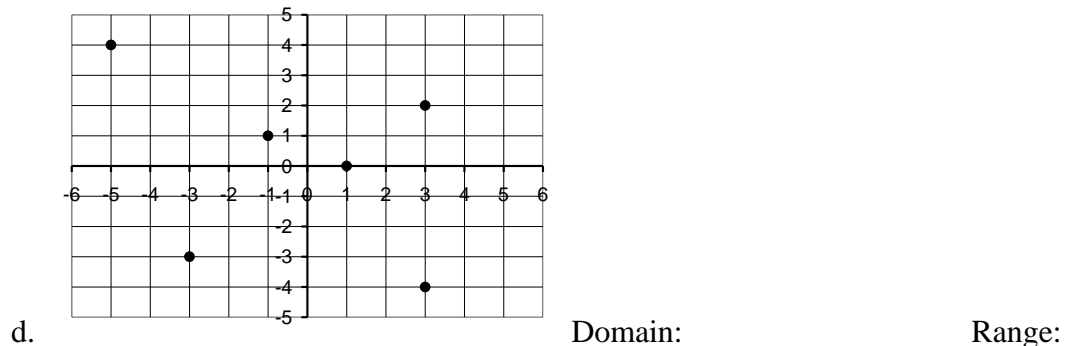


1. Find the domain and range of each relation.

a. $\{(1,2)(3,4)(5,6)(7,8)(9,10)\}$ Domain: Range:

b. $\{(1,2)(2,4)(5,4)(1,8)(0,2)\}$ Domain: Range:

c. $\{(1,1)(-2,4)(3,9)(-3,9)\}$ Domain: Range:



f.

x	1	2	3	4	5
y	1	6	3	3	3

Domain: Range:

3. Find four ordered pairs that belong to the relation determined by the given equation.

a. $y = 3 - x$

b. $y = \sqrt{x}$

c. $y = x^2$

d. $y = -x^2$

e. $y = \frac{24}{x} - 2x$

4. From the examples in problem 3, give examples of two relations whose domain cannot be all real numbers. Explain.

5. From the examples in problem 3, give examples of two relations whose range cannot be all real numbers. Explain.