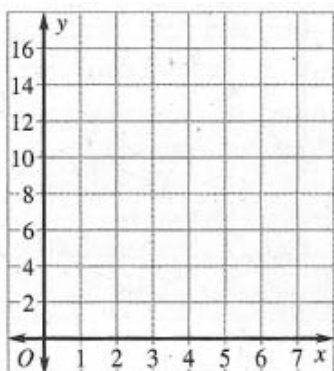


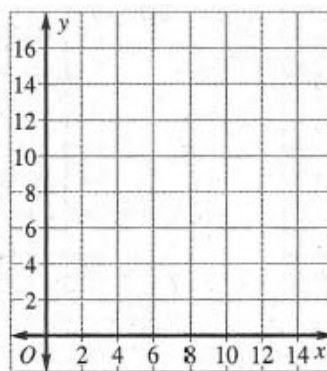
1-7 Skills Practice: Represent Functions as Graphs

1. Graph the ordered pairs.

a. (3,4), (4, 7), (5,10), (6,13), (7,16)



b. (2,5), (6, 7), (4, 6), (12, 10), (10, 9)



2. Complete the input-output table for the function.

a. $y = 3x + 2$

x	0	1	2	3
y				

b. $y = 4x - 1$

x	1	2	3	4
y				

3. Graph the function.

a. $y = 6 - x$

Domain: 6, 5, 4, 3, 2

b. $y = 1/3 x$

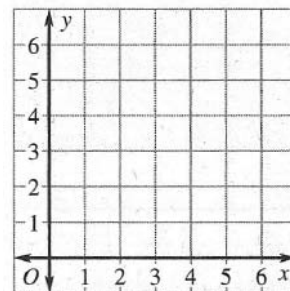
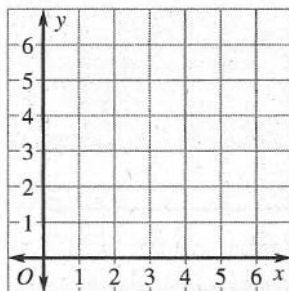
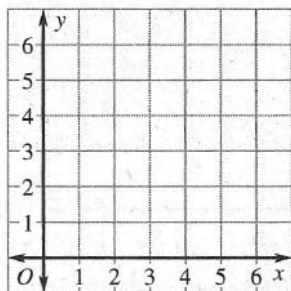
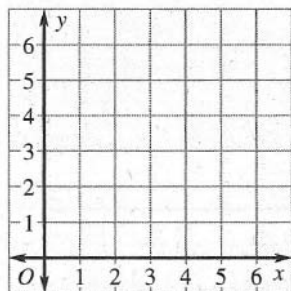
Domain: 6, 9, 12, 15, 18

c. $y = 4x - 3$

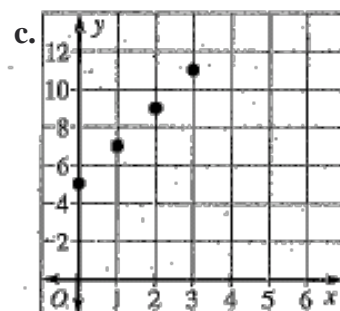
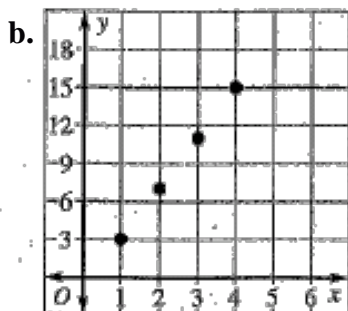
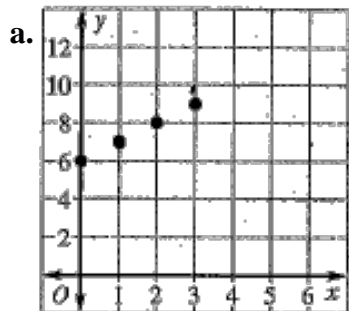
Domain: 1, 2, 3, 4, 5

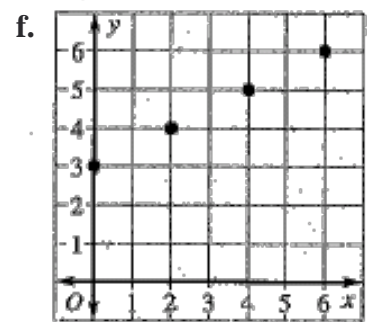
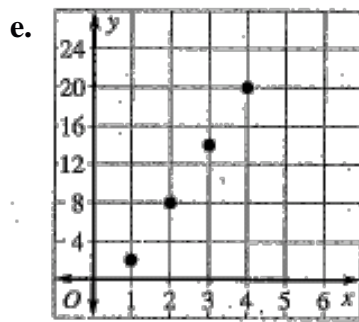
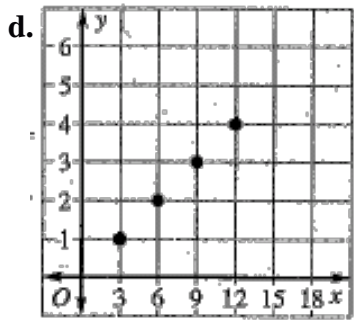
d. $y = 1.2x$

Domain: 1, 2, 3, 4, 5



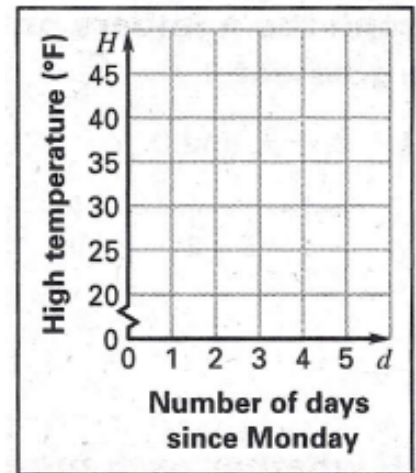
4. Write a rule for the function represented by each graph. Identify the domain and range of the function.





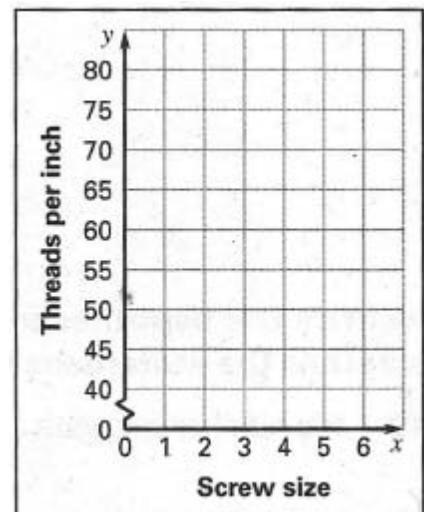
5. **High Temperatures** The table shows the high temperature H (in degrees Fahrenheit) in a city during the week as a function of the number of days d since Monday. Graph the function. Describe how the high temperatures change as the week progresses.

Number of days since Monday, d	0	1	2	3	4	5
High temperature (degrees Fahrenheit), H	24	34	41	39	37	39



6. **Metal Screws** The table shows the number of threads per inch on a screw as a function of screw size.

Screw size number, x	0	1	2	3	4	5	6
Number of threads per inch, y	80	72	64	56	48	44	40



- Graph the function.
- Describe how the number of threads per inch changes as the screw size increases.

- c. Would it be reasonable to expect a #8 screw to have 32 threads per inch? Explain.