Name _____ Date _____

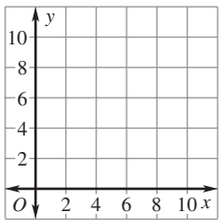
LESSON 1.7

Practice C

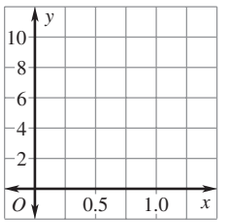
For use with pages 42–48

Graph the ordered pairs.

1. (1, 2.5), (3, 4), (5, 6.5), (7, 8), (9, 10.5)



2. (0.25, 1), (0.5, 4), (0.75, 7), (1, 10)



Complete the input-output table for the function.

3. $y = \frac{2}{3}x - 4$

x	6	9	12	15
y				

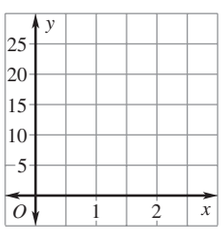
4. $y = 8 - 3x$

x	−1	0	1	2
y				

Graph the function.

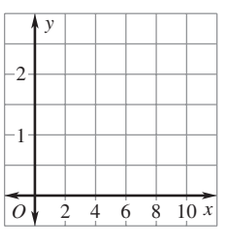
5. $y = 8x + 1$

Domain: 0.5, 1, 1.5, 2, 2.5



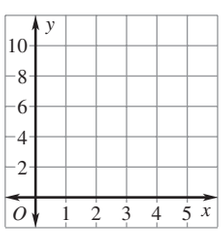
6. $y = \frac{1}{2}x - 3$

Domain: 6, 7, 8, 9, 10



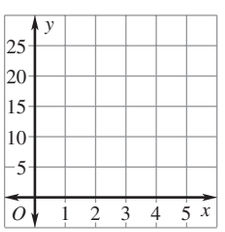
7. $y = 10 - 2x$

Domain: 1, 2, 3, 4, 5



8. $y = 4.5x + 2$

Domain: 1, 2, 3, 4, 5



Name _____ Date _____

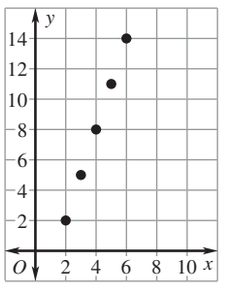
LESSON 1.7

Practice C *continued*

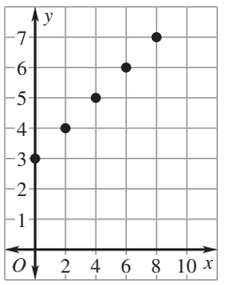
For use with pages 42–48

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

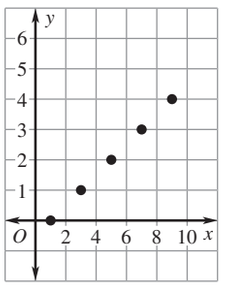
9.



10.



11.



Write a rule for the function represented by the table. Identify the domain and range of the function.

12.

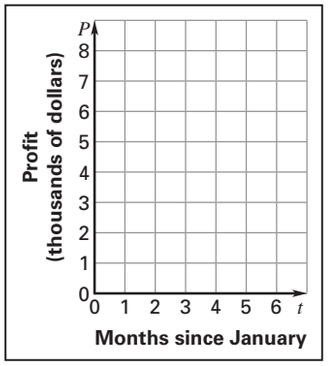
x	0	1	2	3
y	0	4	8	12

13.

x	10	20	30	40
y	1	2	3	4

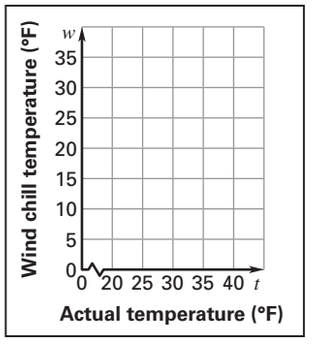
14. Profit The table shows the profit P (in dollars), of a small sporting goods store as a function of time t in months since January. First complete the table. Then graph the function represented by the first and third rows.

Months since January, *t*	1	2	3	4	5	6
Profit (dollars), *P*	3200	2500	2800	3000	4100	7400
Profit (thousands of dollars), *P*						



15. Wind Chill Temperatures The table shows the wind chill temperature w (in degrees Fahrenheit), or how cold it feels to you depending on the wind speed, as a function of the actual temperature t (in degrees Fahrenheit).

Actual temperature (°F), *t*	40	35	30	25	20
Wind chill temperature (°F) for 10mi/h wind, *w*	34	27	21	15	9



a. Graph the function represented by the table.

b. Describe how the wind chill temperature changes as the actual temperature decreases.