

LESSON
1.7
Practice A
For use with pages 42–48
Complete the statement.

- The ? axis of the graph of a function is labeled with the input variable.
- The ? axis of the graph of a function is labeled with the output variable.

Write the ordered pairs that can be formed from the table.

3.

| Input | Output |
|-------|--------|
| 0 | 2 |
| 1 | 4 |
| 2 | 6 |
| 3 | 8 |

4.

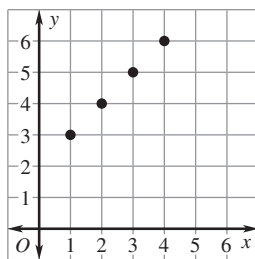
| Input | Output |
|-------|--------|
| 3 | 2 |
| 6 | 2 |
| 9 | 2 |
| 12 | 2 |

5.

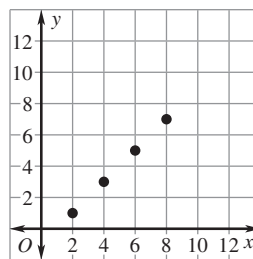
| Input | Output |
|-------|--------|
| 10 | 4 |
| 9 | 8 |
| 8 | 12 |
| 7 | 16 |

Identify the ordered pairs in the graph. Then identify the domain and range.

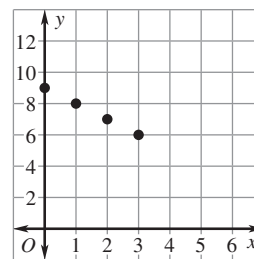
6.



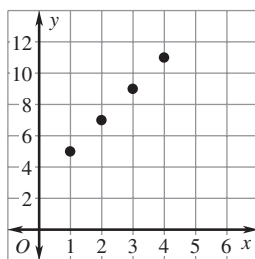
7.



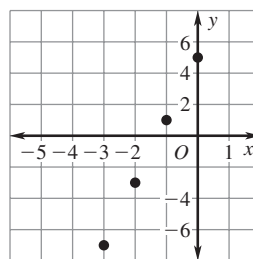
8.



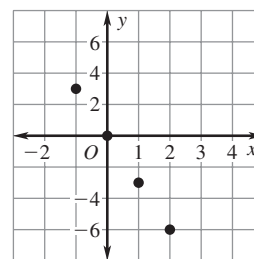
9.



10.

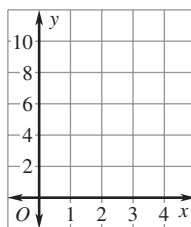


11.


Graph the function.

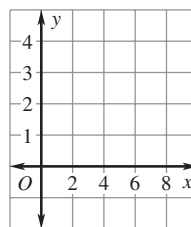
12. $y = x + 5$

Domain: 0, 1, 2, 3



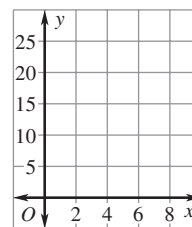
13. $y = x - 3$

Domain: 6, 5, 4, 3



14. $y = 3x$

Domain: 1, 3, 5, 7



LESSON
1.7**Practice A** *continued*
For use with pages 42–48**Match the rule for the function with its graph.**

15. $y = 6x$

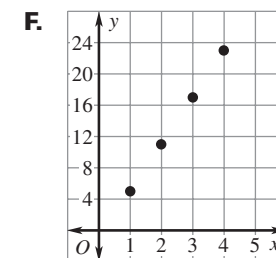
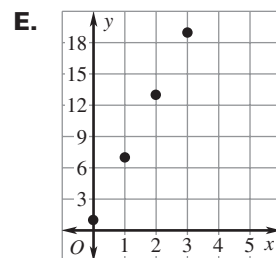
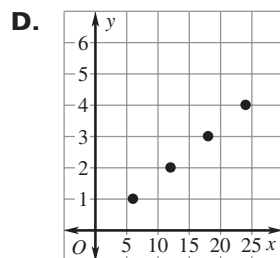
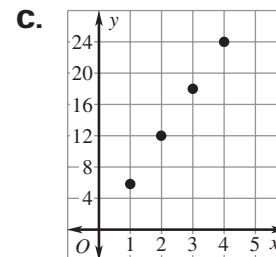
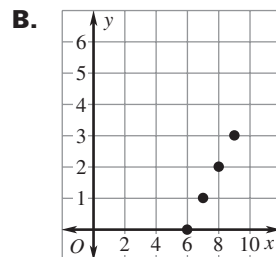
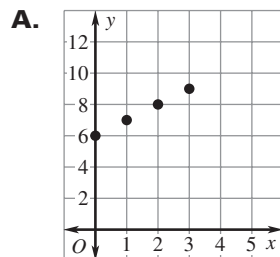
16. $y = 6x - 1$

17. $y = x + 6$

18. $y = \frac{1}{6}x$

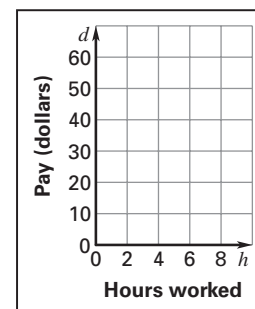
19. $y = x - 6$

20. $y = 6x + 1$

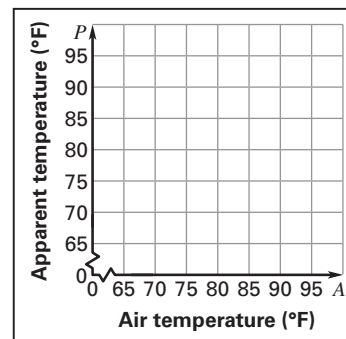


- 21. Hourly Pay** The table shows the pay d (in dollars) as a function of the number of hours worked h . Graph the function.

| | | | | | |
|--------------------------------------|------|-------|-------|-------|----|
| Hours worked, h | 1 | 2 | 3 | 5 | 8 |
| Pay (dollars), d | 6.75 | 13.50 | 20.25 | 33.75 | 54 |



- 22. Heat Index** The table shows the apparent temperature P (in degrees Fahrenheit), or the temperature as it feels to your body, as a function of the air temperature A (in degrees Fahrenheit) when there is 10% humidity. Graph the function. Then use your graph to predict the apparent temperature when the air temperature is 105°F and the humidity is 10%.



| | | | | | | |
|--|----|----|----|----|----|----|
| Air temperature (°F), A | 70 | 75 | 80 | 85 | 90 | 95 |
| Apparent temperature (°F), P | 65 | 70 | 75 | 80 | 85 | 90 |