Practice A

For use with the lesson "Represent Functions as Graphs"

Complete the statement.

1. The __?__ axis of the graph of a function is labeled with the input variable.

2. 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.
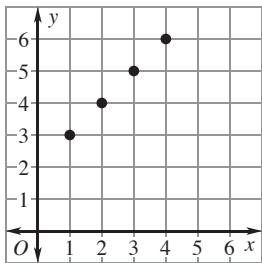
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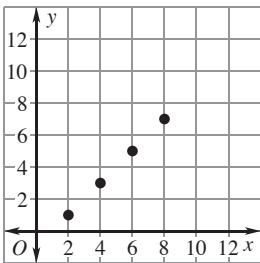
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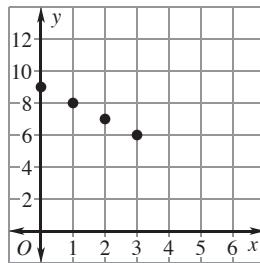
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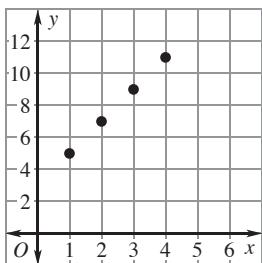
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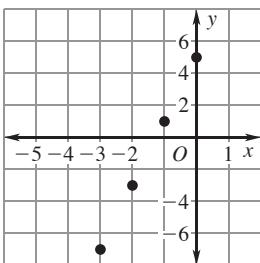
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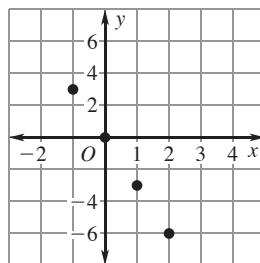
Graph the function.

12. $y = x + 5$

Domain: 0, 1, 2, 3
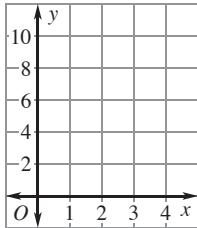
13. $y = x - 3$

Domain: 6, 5, 4, 3
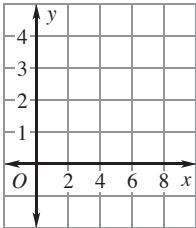
14. $y = 3x$

Domain: 1, 3, 5, 7
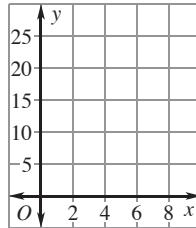
LESSON 1.8 **Practice A** *continued*
For use with the lesson "Represent Functions as Graphs"

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.** $y = 6x + 1$

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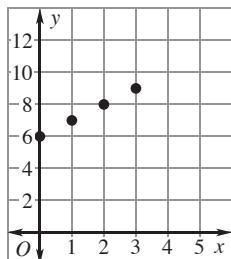
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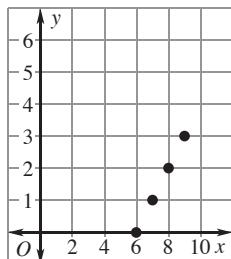
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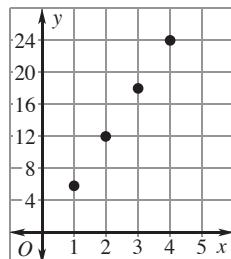
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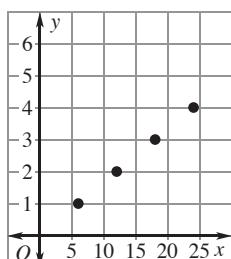
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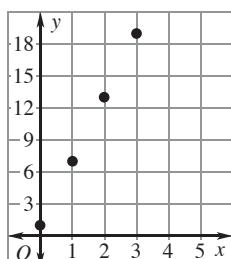
F.
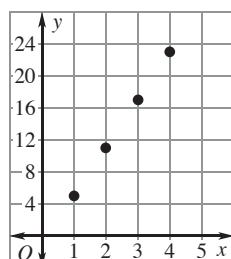
21. Hourly Pay The table shows the pay d (in dollars) as a function of the number of hours worked h. Graph the function.

| Hours worked, h	1	2	3	5	8
Pay (dollars), d	6.75	13.50	20.25	33.75	54
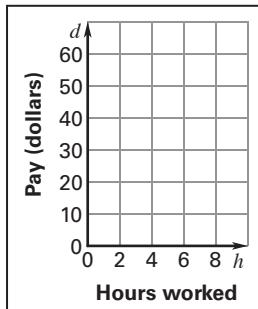
22. Heat Index The table shows the apparent temperature P (in degrees Fahrenheit), or the temperature as it feels to your body, as a function of the air temperature A (in degrees Fahrenheit) when there is 10% humidity. Graph the function. Then use your graph to predict the apparent temperature when the air temperature is 105°F and the humidity is 10%.
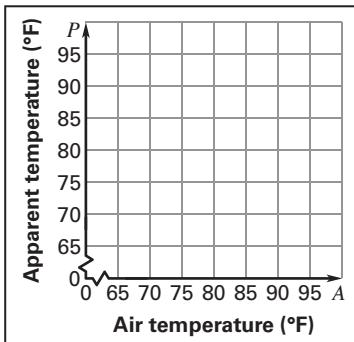
Air temperature (°F), A	70	75	80	85	90	95
Apparent temperature (°F), P	65	70	75	80	85	90