

**8-2 Skills Practice****Sequences and Equations**

Write an equation that describes each sequence.

1. 7, 8, 9, 10, ...

2. 5, 6, 7, 8, ...

3. 7, 14, 21, 28, ...

4. 12, 24, 36, 48, ...

5. 3, 5, 7, 9, ...

6. 12, 21, 30, 39, ...

7. 55, 62, 69, 76, ...

8. 3, 21, 39, 57, ...

Write an equation that describes each sequence. Then find the indicated term.

9. 5, 8, 11, 14, ...; 9th term

10. 7, 16, 25, 34, ...; 15th term

11. 7, 9, 11, 13, ...; 18th term

12. 4, 10, 16, 22, ...; 10th term

13. 6, 17, 28, 39, ...; 8th term

14. 25, 44, 63, 82, ...; 12th term

15. 26, 29, 32, 35, ...; 14th term

16. 61, 83, 105, 127, ...; 20th term

# 8-3 Skills Practice

## Representing Linear Functions

Find four solutions of each equation. Write the solutions as ordered pairs.

1.  $y = 8x - 4$

2.  $y = -x + 12$

3.  $4x - 4y = 24$

4.  $x - y = -15$

5.  $y = 7x - 6$

6.  $y = -3x + 8$

7.  $y = 12$

8.  $4x - 2y = 0$

9.  $4x - y = 4$

Graph each equation by plotting ordered pairs.

**EXAMPLE**

10.  $y = 3x - 2$

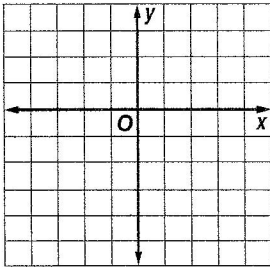
x	y
-1	-5
0	-2
1	1

11.  $y = -x + 3$

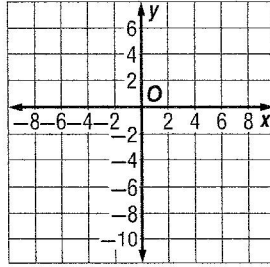
x	y
-1	4
0	3
1	2

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

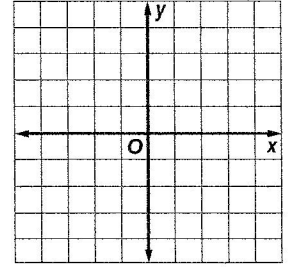
13.  $y = -2x - 5$



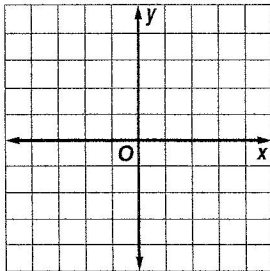
14.  $y = 4x - 8$



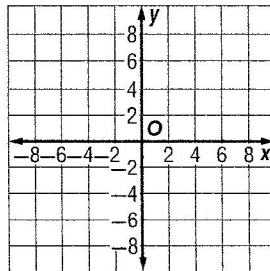
15.  $y = \frac{2}{3}x - 2$



16.  $y = -5x$



17.  $y = -2x + 6$



18.  $y = 5x + 1$

