

Lesson 1 Skills Practice

Functions

Determine whether each relation is a function. Explain.

1. $\{(3, -8), (3, 2), (6, -1), (2, 2)\}$

2. $\{(0, 1), (-4, -3), (-3, 6), (3, 6)\}$

3. $\{(-6, 3), (2, -2), (0, 8), (1, 1)\}$

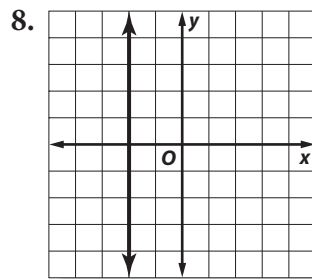
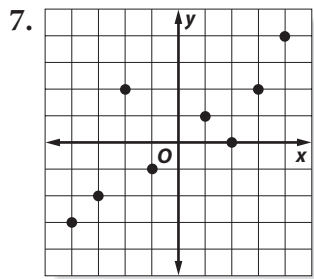
4. $\{(1, 8), (-6, 21), (-11, 21), (-3, 11), (0, 21)\}$

5.

x	1	-3	8	-8	20
y	2	6	6	5	11

6.

x	-1.2	1.1	1.7	-1.2	1.0
y	2.8	2.3	-2.4	2.3	2.6



If $f(x) = 4x - 2$, find each function value.

9. $f(3)$

10. $f(9)$

11. $f(1)$

12. $f(4)$

13. $f(-2)$

14. $f(-10)$

15. $f(5)$

16. $f(-8)$

If $g(x) = 3x + 6$, find each function value.

17. $g(2)$

18. $g(7)$

19. $g(-4)$

20. $g(0)$

21. $g(-6)$

22. $g(-1)$

23. $g(9)$

24. $g(12)$