NAME _____ DATE _____

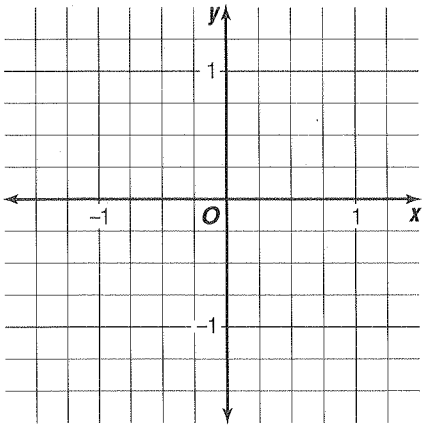
Practice

Student Edition
Pages 64–71

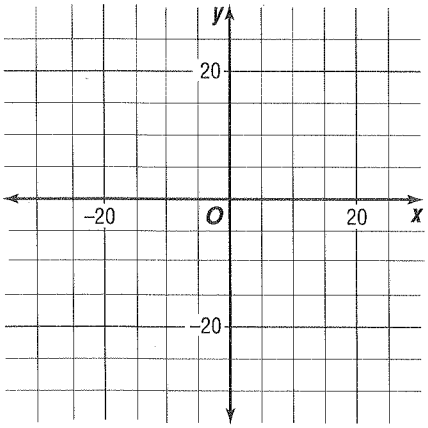
Relations and Functions

State the domain and range of each relation. Then graph and identify whether it is a function or not. For each function, state whether it is discrete or continuous.

1. $\{(0.75, 0.5), (0.75, -0.5), (-0.75, 0.5)\}$



2. $\{(-20, -7), (20, 0), (0, 15), (10, 0)\}$



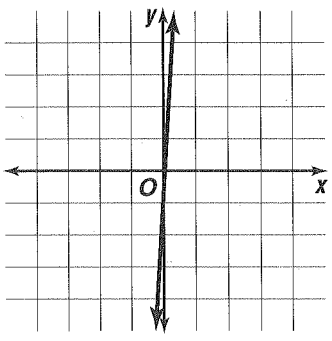
State the domain and range of each relation. Is the relation a function?

3. $\{(3, 2), (3, 5), (3, 8)\}$

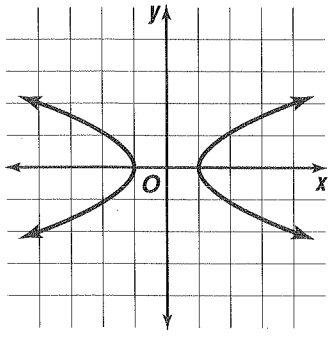
4. $\{(2, 6), (6, 2)\}$

Use the vertical line test to determine if each relation is a function.

5.



6.



Find each value if $f(x) = \frac{5}{x + 2}$.

7. $f(3)$

8. $f(-4)$

9. $f\left(\frac{1}{2}\right)$

10. $f(-2)$

11. $f(0)$

12. $f(m - 2)$