

## Check Your Understanding

### Example 1 p. 196

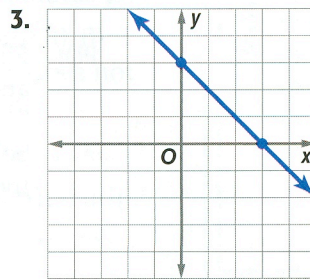
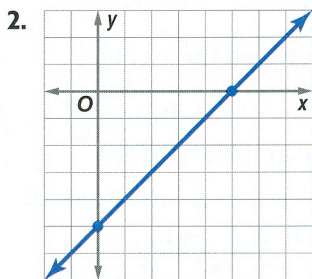
1. **GEOMETRY** The table shows the perimeter of a square with sides of a given length.

Side Length (in.)	1	2	3	4	5
Perimeter (in.)	4	8	12	16	20

- Graph the data.
- Write an equation to describe the relationship.
- What conclusion can you make regarding the relationship between the side and the perimeter?

### Example 2 p. 197

Write an equation in function notation for each relation.



## Practice and Problem Solving

 = **Step-by-Step Solutions** begin on page R12.  
**Extra Practice** begins on page 815.

### Example 1 p. 196

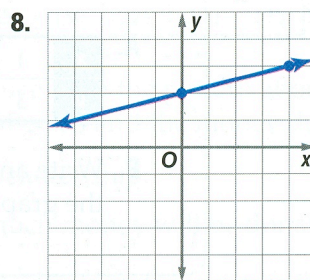
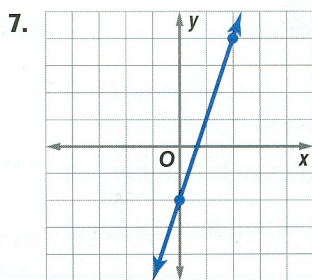
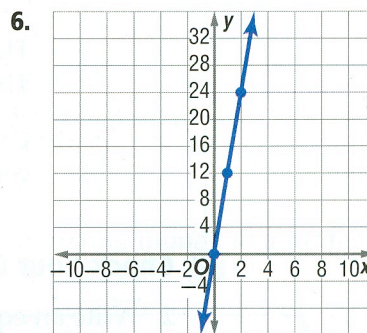
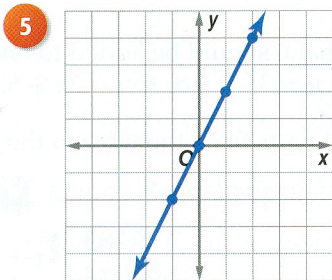
4. The table shows the pages of comic books read.

Books Read	1	2	3	4	5
Pages Read	35	70	105	140	175

- Graph the data.
- Write an equation to describe the relationship.
- Find the number of pages read if 8 comic books were read.

### Example 2 p. 197

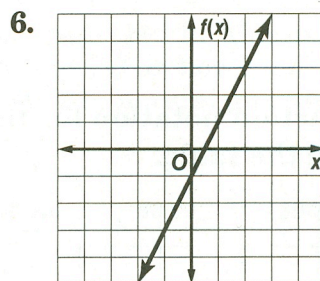
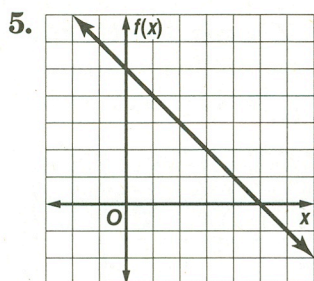
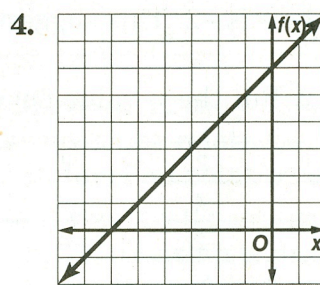
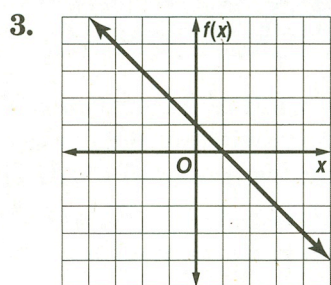
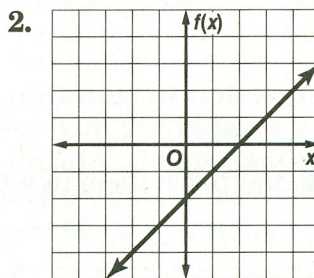
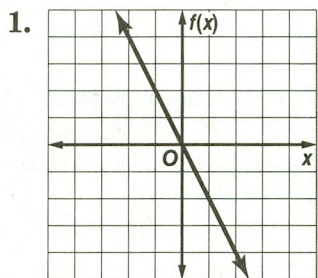
Write an equation in function notation for each relation.





**3-6 Skills Practice****Proportional and Nonproportional Relationships**

Write an equation in function notation for each relation.



7. **GAMESHOWS** The table shows how many points are awarded for answering consecutive questions on a gameshow.

Question answered	1	2	3	4	5
Points awarded	200	400	600	800	1000

- Write an equation for the data given.
- Find the number of points awarded if 9 questions were answered.