

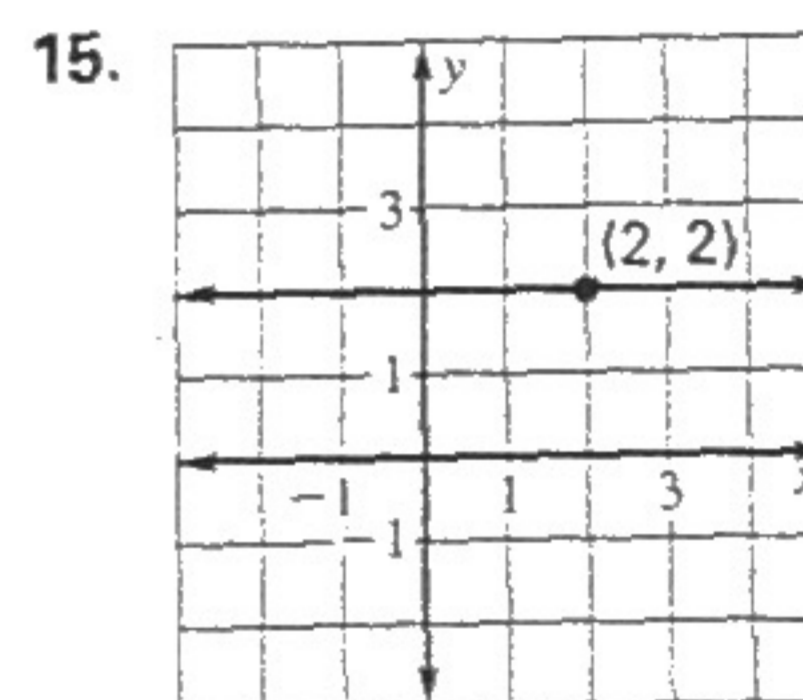
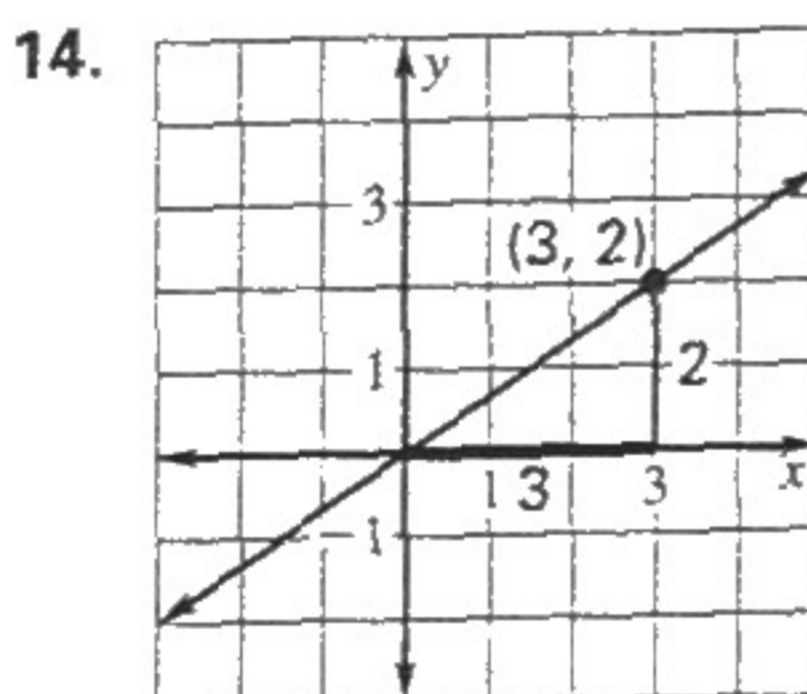
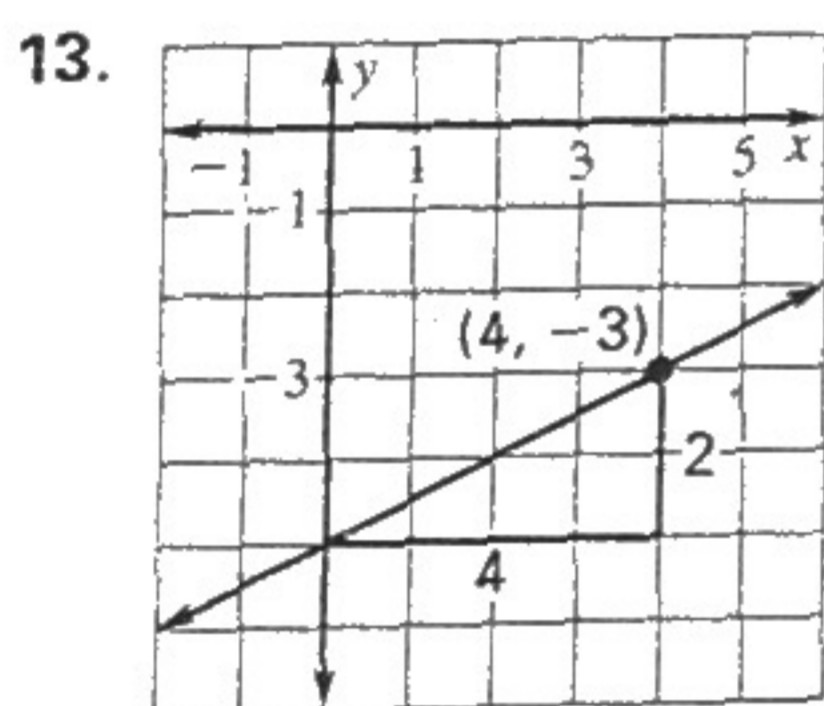
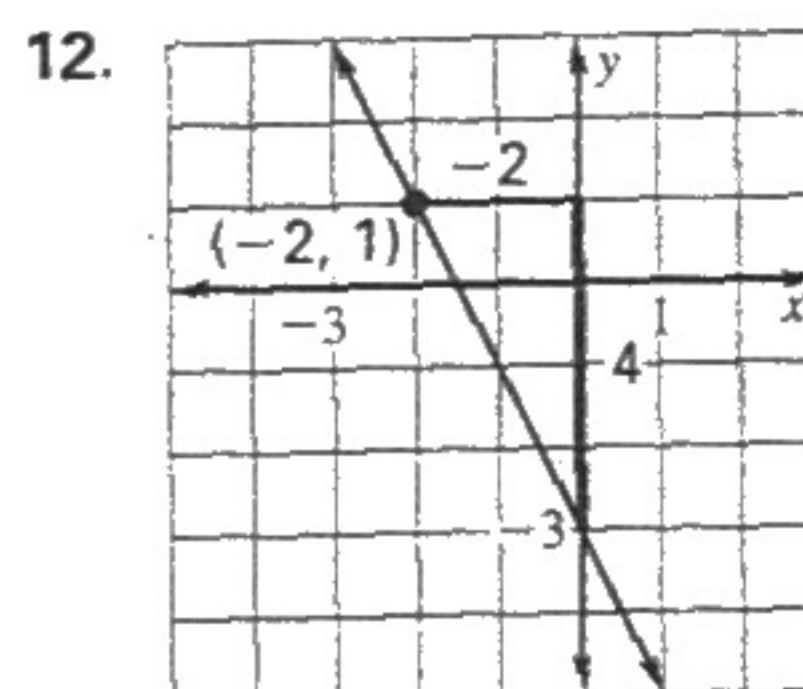
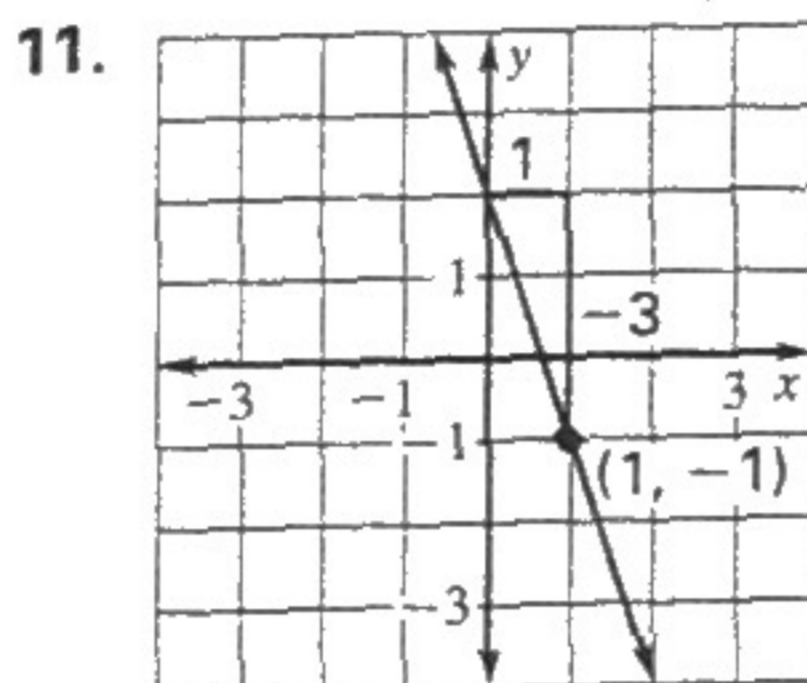
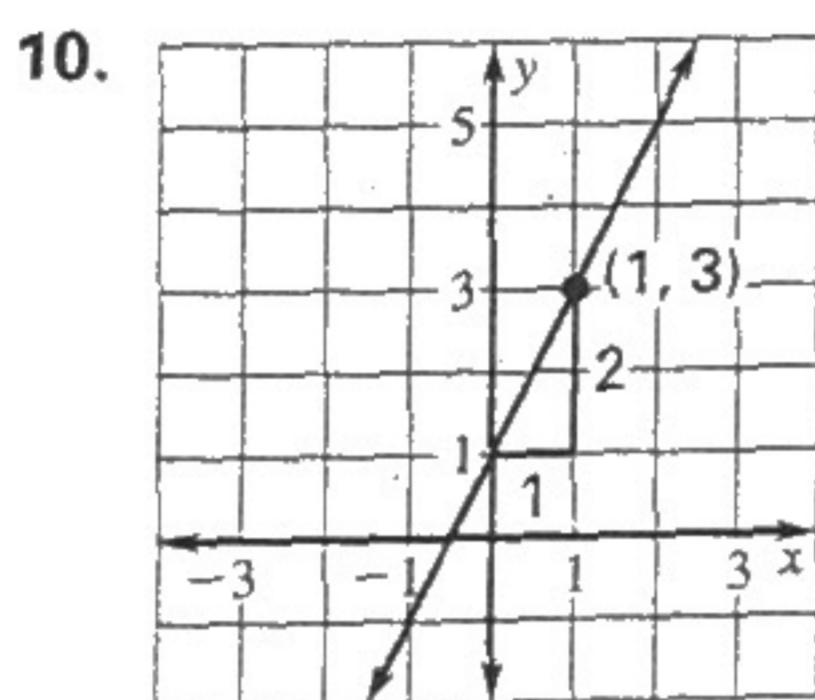
# Practice A

For use with pages 279–284

Write an equation of the line that passes through the point and has the given slope. Write the equation in slope-intercept form.

- |                      |                        |                                |
|----------------------|------------------------|--------------------------------|
| 1. $(0, 2), m = 1$   | 2. $(-3, 0), m = 4$    | 3. $(0, 7), m = -5$            |
| 4. $(1, 1), m = -3$  | 5. $(-3, 9), m = 8$    | 6. $(4, 5), m = -1$            |
| 7. $(7, -7), m = -3$ | 8. $(-4, -15), m = 10$ | 9. $(5, -10), m = \frac{1}{5}$ |

Write the slope-intercept form of the equation of the line.



Write an equation of the line that is parallel to the given line and passes through the given point.

16.  $y = 3x - 1, (0, 2)$       17.  $y = x + 3, (1, 2)$       18.  $y = -3x + 5, (-1, 4)$

19. **Apartment Rent** Between 1990 and 2000, the monthly rent for a one-bedroom apartment increased by \$20 per year. In 1997, the rent was \$450 per month. Find an equation that gives the monthly rent in dollars,  $y$ , in terms of the year,  $t$ . Let  $t = 0$  correspond to 1990.

20. **Stamp Collection** Between 1992 and 1999, you added approximately 15 stamps per year to your collection. In 1997 you had 130 stamps. Find an equation that represents the number of stamps in your collection,  $y$ , in terms of the year,  $t$ . Let  $t = 0$  correspond to 1992.

