ANSWERS FOR 2.5
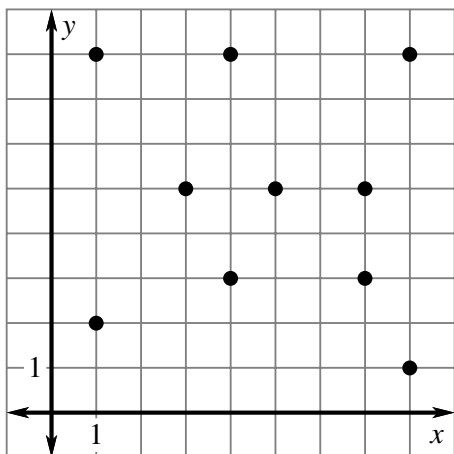
2.5 Guided Practice

2. *Sample answer:* A positive correlation; taller men tend to have larger feet.

4. A positive correlation; the *y*-values tend to increase as the *x*-values increase.
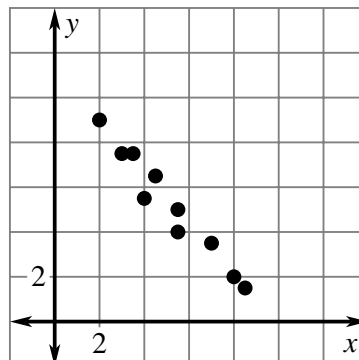
6. *Sample answer:*
$y = 200.5x + 4169$

2.5 Practice and Applications

8. negative correlation

10. relatively no correlation
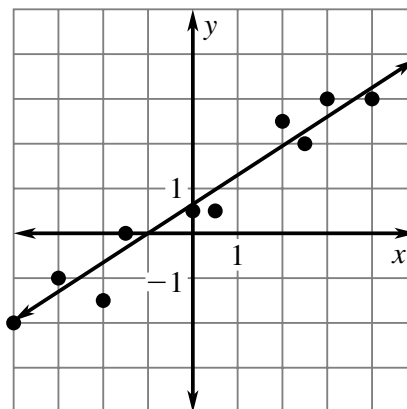
12.

relatively no correlation

14.

negative correlation

16–20. Sample answers given.

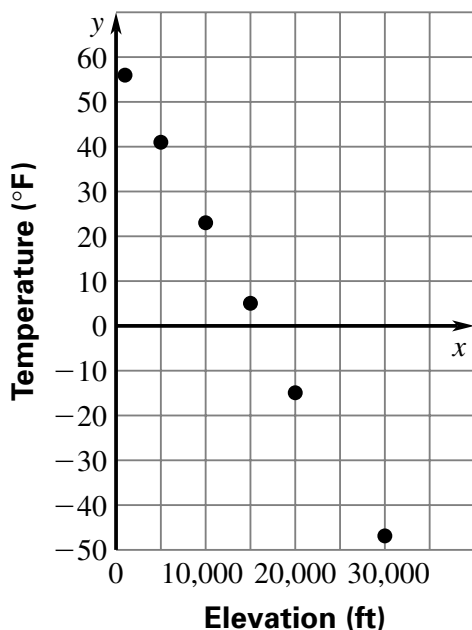**16.** $y = 0.88x - 0.1$

18. $y = -0.65x + 0.13$

20.

$y = 0.66x + 0.6$

22.

High Altitude Temperatures

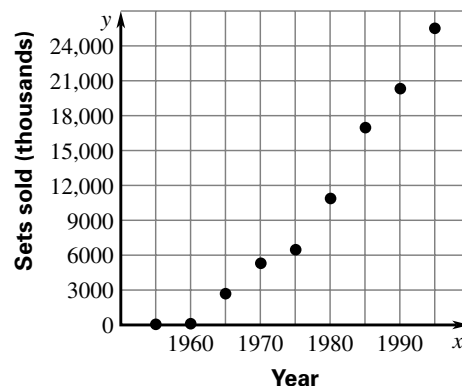**24.** $y = 110t - 22$

26. $y = 0.325x - 571$

28. a.

Black-and-White TV Sales
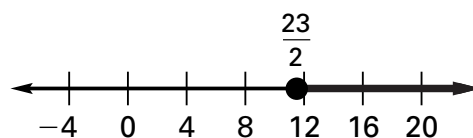

negative correlation

b.

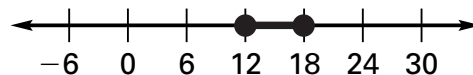**Color TV Sales**

positive correlation

c. Negatively correlated; as sales of color TVs increased, the sales of black-and-white TVs decreased.

2.5 Mixed Review

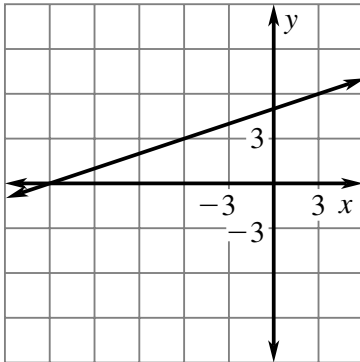**30.** $x \geq \dfrac{23}{2}$

32. $12 \leq x \leq 18$

34. Line 2   **36.** Line 1

ANSWERS FOR 2.5 (CONT.)
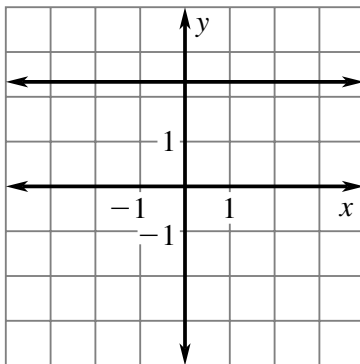
38.

Quiz 2

2. $y = 2x + 5$

4. $y = 2x - 4$

6. negative correlation

8. $d = 1.3h$; 4 ft

40.

42.