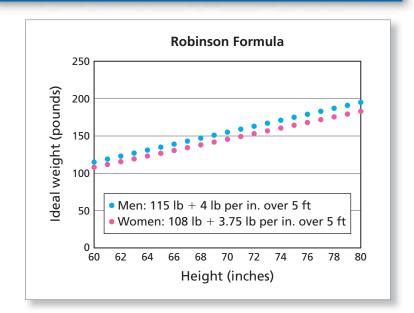
10.1 Exercises

The Robinson Formula In 1983, Dr. J.D. Robinson published a formula for ideal weight. In Exercises 1–6, use the formula. (See Example 1.)

- **1.** Find the ideal weight of a woman who is 5 feet 2 inches tall.
- **2.** Find the ideal weight of a man who is 5 feet 3 inches tall.
- **3.** Find the ideal weight of a man who is 6 feet tall.
- **4.** Find the ideal weight of a woman who is 6 feet 4 inches tall.



- **5.** How do you think you should calculate the ideal weight of a person who is shorter than 5 feet tall? Explain your reasoning. Then find the ideal weight of a woman who is 4 feet 8 inches tall.
- **6.** Compare the ideal weights for men and women given by the Robinson formula.



Body Fat Percentage In Exercises 7 and 8, find (a) the body fat percentage and (b) the body mass index for the person shown. (See Example 2.)

8.

Weight: 160 lb Waist: 34 in. Age: 21 yr

