1. Several students decide to start a T-shirt company. After initial expenses of \$150, they purchase each T-shirt wholesale for \$4.99. They sell each T-shirt for \$12.99. How many T-shirts must they sell to break even?

2. Suppose you are starting an office-cleaning service. You have spent \$227 on equipment. To clean an office, you use \$3.50 worth of supplies. You charge \$30 per office. How many offices must you clean to break even?

3. Suppose you invest \$1250 in equipment to put pictures on T-shirts. You buy each T-shirt for \$4.50. After you have placed the picture on a shirt, you sell it for \$19.50. How many T-shirts must you sell to break even?

Answers to Homework 20.3

- 1. 19 t-shirts
- 2. 9 offices
- 3. 84 t-shirts