1. Several students decide to start a T-shirt company. After initial expenses of \$280, they purchase each T-shirt wholesale for \$3.99. They sell each T-shirt for \$10.99. How many T-shirts must they sell to break even?

2. Suppose you are starting an office-cleaning service. You have spent \$315 on equipment. To clean an office, you use \$4 worth of supplies. You charge \$25 per office. How many offices must you clean to break even?

3. Suppose you invest \$1500 in equipment to put pictures on T-shirts. You buy each T-shirt for \$3. After you have placed the picture on a shirt, you sell it for \$20. How many T-shirts must you sell to break even?

Answers to Homework 20.1

- 1. 40 t-shirts
- 2. 15 offices 3. 89 t-shirts