# 7-3 Additional Practice

## Multiplying Special Cases

**Find each product.**

**1.** $(x + 4)^2$

**2.** $(2x - 3)^2$

**3.** $(4y + 7)^2$

**4.** $32^2$

**5.** $57^2$

**6.** $45^2$

**Write each product in standard form.**

**7.** $(x + 7)(x - 7)$

**8.** $(3x + 4)(3x - 4)$

**9.** $(5y - 1)(5y + 1)$

**Use the difference of two squares to find each product.**

**10.** $34 \cdot 26$

**11.** $22 \cdot 28$

**12.** $17 \cdot 7$

**13.** Why is the middle term $2ab$ in $(a + b)^2$ and $-2ab$ in $(a - b)^2$ when written in standard form?

**14.** A hole is punched in a piece of metal to make a part for a machine. What is the area of the metal part, or the shaded region shown?