Name

Homework Section 8.6

Chapter

8

**Simplify each square root.**

**1.** $\sqrt{16}$ **2.** $\sqrt{100}$ **3.** $\sqrt{36}$

**4.** $\sqrt{25}$ **5.** $\sqrt{81}$ **6.** $\sqrt{169}$

**7.** $\sqrt{144}$ **8.** $\sqrt{121}$ **9.** $\sqrt{1}$

**10.** $\sqrt{9}$

**Estimate the value of each square root.**

**11.** $\sqrt{18}$ **12.** $\sqrt{5}$ **13.** $\sqrt{41}$

**14.** $\sqrt{54}$ **15.** $\sqrt{75}$

**Identify each number as rational or irrational.**

**16.** $\sqrt{99}$ **17.** $\sqrt{41}$ **18.** $\sqrt{49}$

**25.** $-.04744$ **26.** $-\frac{3}{2}$ **27.** $-0.6666666…$

**28.** $\sqrt{0.12122122212222….}$ **29.** $0.\overbar{35}$