

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Learning Goal 7.1**

I can identify perfect squares and cubes and evaluate square and cube roots.

**Warm Up** Determine which of the following numbers are perfect squares by using their prime factorization. Explain.

a. 196

b. 220

**Estimating a Square Root**

**Example** Estimate the following to **one decimal place**.

a.  $\sqrt{10}$

b.  $\sqrt{62}$

c.  $\sqrt{39}$

d.  $\sqrt{110}$

