

## 7-1 Understanding Perfect Squares

Name \_\_\_\_\_ Per. \_\_\_\_

1. Write the square root for each perfect square.

a.  $\sqrt{1} =$  \_\_\_\_\_

f.  $\sqrt{36} =$  \_\_\_\_\_

k.  $\sqrt{121} =$  \_\_\_\_\_

b.  $\sqrt{4} =$  \_\_\_\_\_

g.  $\sqrt{49} =$  \_\_\_\_\_

l.  $\sqrt{144} =$  \_\_\_\_\_

c.  $\sqrt{9} =$  \_\_\_\_\_

h.  $\sqrt{64} =$  \_\_\_\_\_

m.  $\sqrt{169} =$  \_\_\_\_\_

d.  $\sqrt{16} =$  \_\_\_\_\_

i.  $\sqrt{81} =$  \_\_\_\_\_

n.  $\sqrt{196} =$  \_\_\_\_\_

e.  $\sqrt{25} =$  \_\_\_\_\_

j.  $\sqrt{100} =$  \_\_\_\_\_

o.  $\sqrt{225} =$  \_\_\_\_\_

2. What is the value of  $\sqrt{0}$ ? Explain your reasoning.

3. Notice that the square root of each expression in Question 1 resulted in a WHOLE number. Do you think that the square root of every number will result in a whole number? Explain your reasoning.