Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_

**Approximating Square Roots Practice**

*For #1 – 6, use the number line below to answer the following questions.*



**1.** The $\sqrt{29}$ falls between \_\_\_\_\_\_ and \_\_\_\_\_\_. **2.** The $\sqrt{89}$ falls between \_\_\_\_\_\_ and \_\_\_\_\_\_.

**3.** Which of the following values falls between $\sqrt{64}$ and$ \sqrt{81}$? (circle one)

 0.**8 6.4 8.75 9.1**

**4.** Which square root is closest to 7? (circle one)

 $\sqrt{8}$ $\sqrt{14}$ $\sqrt{46}$ $\sqrt{78}$

*Find two consecutive whole numbers to make the statements true.*

**5.** \_\_\_\_\_\_\_ <  < \_\_\_\_\_\_\_\_\_ **6.** \_\_\_\_\_\_\_ <  < \_\_\_\_\_\_\_\_\_

*Estimate each square root and place them on the number line below.*



**7.**  **8.** 

Identify the following numbers as Real, Rational, Integers, Whole Numbers, and/or Irrational.

9. 15 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. $2\sqrt{15}$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. –49 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. 0.25 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13. $-\frac{7}{8}$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. –12.97 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_