

# PRACTICE

Approximate each irrational number to the nearest hundredth without using a calculator.

1.  $\sqrt{34}$

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2.  $\sqrt{82}$

\_\_\_\_\_

3.  $\sqrt{45}$

\_\_\_\_\_

4.  $\sqrt{104}$

\_\_\_\_\_

5.  $\sqrt{71}$

\_\_\_\_\_

6.  $\sqrt{19}$

\_\_\_\_\_

7.  $\sqrt{24}$

\_\_\_\_\_

8.  $\sqrt{41}$

\_\_\_\_\_

Compare. Write  $<$ ,  $>$ , or  $=$ .

9.  $\sqrt{3} + 2$    $\sqrt{2} + 3$

10.  $\sqrt{11} + 15$    $\sqrt{15} + 11$

11.  $\sqrt{6} + 5$    $6 + \sqrt{5}$

12.  $\sqrt{9} + 3$    $9 + \sqrt{3}$

13.  $\sqrt{15} - 3$    $-2 + \sqrt{5}$

14.  $10 - \sqrt{8}$    $12 - \sqrt{2}$

15.  $\sqrt{7} + 1$    $\sqrt{10} - 1$

16.  $\sqrt{12} + 3$    $3 + \sqrt{11}$

Order the numbers from least to greatest.

17.  $\sqrt{7}, \frac{\sqrt{8}}{2}, 2$

\_\_\_\_\_

18.  $\sqrt{10}, \pi, 3.5$

\_\_\_\_\_

19.  $1.5, \frac{\sqrt{12}}{3}, \sqrt{3}$

\_\_\_\_\_

20.  $2\sqrt{7}, \sqrt{24}, 2\pi$

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