

2-7

Skills Practice

Square Roots and Real Numbers

Find each square root. If necessary, round to the nearest hundredth.

loose-leaf {

1. $\sqrt{144}$

2. $-\sqrt{36}$

3. $\pm\sqrt{0.25}$

4. $-\sqrt{\frac{49}{100}}$

5. $\pm\sqrt{17}$

6. $\sqrt{2.25}$

* CALCULATOR
OK ONLY for # 5 !

Name the set or sets of numbers to which each real number belongs.

here
OK {

7. $-\frac{28}{7}$

8. $-\frac{5}{6}$

9. $\sqrt{29}$

10. $\sqrt{196}$

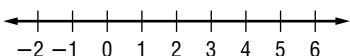
11. $\frac{9}{13}$

12. $\sqrt{1.8}$

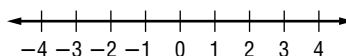
Graph each solution set.

here
OK {

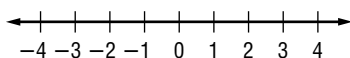
13. $x > -1$



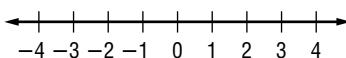
14. $x \leq 1$



15. $x < 1.5$



16. $x \geq -2.5$

Replace each $\bullet$ with $<$, $>$, or $=$ to make each sentence true.

17. $\frac{4}{9} \bullet 0.\bar{4}$

18. $0.\overline{09} \bullet \frac{1}{90}$

19. $6.\overline{23} \bullet \sqrt{39}$

20. $\frac{1}{8} \bullet \frac{1}{\sqrt{8}}$

base-leaf {

Write each set of numbers in order from least to greatest.

21. $\sqrt{5}, 2.\overline{36}, \frac{7}{3}$

22. $\frac{2}{9}, 0.\overline{21}, \sqrt{0.05}$

23. $-\sqrt{12}, -3.\overline{48}, -\sqrt{11}$

24. $0.\overline{43}, \frac{\sqrt{6}}{5}, \frac{3}{7}$