

Key

## Estimating Square Roots

Estimate to the nearest whole number.

1.  $\sqrt{84} \approx 9$

2.  $\sqrt{10} \approx 3$

3.  $\sqrt{69} \approx 8$

4.  $-\sqrt{99} \approx -10$

5.  $\sqrt{121} \approx 11$

6.  $-\sqrt{78} \approx -9$

7.  $\sqrt{250} \approx 16$

8.  $\sqrt{444} \approx 21$

9.  $\sqrt{51} \approx 7$

10.  $-\sqrt{178} \approx -13$

11.  $\sqrt{300} \approx 17$

12.  $\sqrt{123} \approx 11$

13.  $\sqrt{199} \approx 14$

14.  $-\sqrt{171} \approx -13$

15.  $\sqrt{286} \approx 17$

16.  $\sqrt{600} \approx 24$   
(or 24.5)

17.  $\sqrt{630} \approx 25$

18.  $\sqrt{17.8} \approx 4$

19.  $\sqrt{80.95} \approx 9$

20.  $-\sqrt{47.25} \approx -7$

21.  $\sqrt{106} \approx 10$

22.  $\sqrt{3.4} \approx 2$

23.  $\sqrt{50} \approx 7$

24.  $\sqrt{8} \approx 3$

25.  $\sqrt{330} \approx 18$

26.  $\sqrt{390} \approx 20$

27.  $-\sqrt{75} \approx -9$

28.  $\sqrt{480} \approx 22$

29.  $-\sqrt{208} \approx -14$

30.  $\sqrt{11.2} \approx 3$