

**9-1 Skills Practice****Squares and Square Roots**

Find each square root, if possible.

1.  $\sqrt{1}$

2.  $\sqrt{9}$

3.  $\sqrt{25}$

4.  $\sqrt{49}$

5.  $\sqrt{64}$

6.  $\sqrt{169}$

7.  $-\sqrt{36}$

8.  $\sqrt{-81}$

9.  $-\sqrt{64}$

10.  $-\sqrt{169}$

11.  $\sqrt{-196}$

12.  $-\sqrt{121}$

13.  $\sqrt{225}$

14.  $\sqrt{441}$

15.  $\sqrt{625}$

16.  $\pm\sqrt{289}$

17.  $\pm\sqrt{324}$

18.  $\pm\sqrt{8100}$

19.  $\sqrt{2.25}$

20.  $\sqrt{0.16}$

21.  $\sqrt{3.24}$

Use a calculator to find each square root to the nearest tenth.

22.  $\sqrt{31}$

23.  $\sqrt{40}$

24.  $\sqrt{94}$

25.  $\sqrt{132}$

26.  $-\sqrt{68}$

27.  $-\sqrt{247}$

28.  $\sqrt{-521}$

29.  $-\sqrt{314}$

30.  $-\sqrt{902}$

31.  $-\sqrt{0.85}$

32.  $-\sqrt{2.45}$

33.  $-\sqrt{4.05}$

Estimate each square root to the nearest whole number. Do not use a calculator.

34.  $\sqrt{38}$

35.  $\sqrt{84}$

36.  $\sqrt{389}$

37.  $\sqrt{5}$

38.  $\sqrt{118}$

39.  $\sqrt{230}$

40.  $-\sqrt{83}$

41.  $-\sqrt{19}$

42.  $-\sqrt{119}$

43.  $\sqrt{9.3}$

44.  $\sqrt{27.5}$

45.  $\sqrt{78.1}$