

**13-1 Practice**

Student Edition

Pages 664–668

Finding and Approximating Squares and Square Roots

Find each square root.

1. $-\sqrt{4}$

2. $\sqrt{81}$

3. $-\sqrt{36}$

4. $\sqrt{1}$

5. $-\sqrt{9}$

6. $\sqrt{144}$

7. $-\sqrt{121}$

8. $\sqrt{36}$

9. $-\sqrt{49}$

10. $-\sqrt{81}$

11. $-\sqrt{169}$

12. $\sqrt{400}$

13. $\sqrt{225}$

14. $-\sqrt{289}$

15. $\sqrt{196}$

16. $\sqrt{324}$

17. $\sqrt{900}$

18. $\sqrt{256}$

19. $\sqrt{625}$

20. $-\sqrt{196}$

21. $\sqrt{361}$

22. $-\sqrt{324}$

23. $-\sqrt{256}$

24. $-\sqrt{900}$

25. $-\sqrt{625}$

26. $\sqrt{961}$

27. $\sqrt{289}$

28. $-\sqrt{361}$

Find the best integer estimate for each square root. Then check your estimate using a calculator.

29. $\sqrt{8}$

30. $-\sqrt{12}$

31. $\sqrt{55}$

32. $-\sqrt{39}$

33. $\sqrt{98}$

34. $\sqrt{500}$

35. $-\sqrt{60}$

36. $\sqrt{19}$

37. $\sqrt{150}$

38. $-\sqrt{70}$

39. $-\sqrt{395}$

40. $\sqrt{200}$

41. $-\sqrt{115}$

42. $\sqrt{1000}$

43. $-\sqrt{40}$

44. $\sqrt{1500}$

45. $\sqrt{196}$

46. $-\sqrt{7.95}$

47. $\sqrt{3.72}$

48. $\sqrt{15.01}$

49. $\sqrt{75.83}$

50. $-\sqrt{60.25}$

51. $-\sqrt{83.91}$

52. $\sqrt{26.17}$