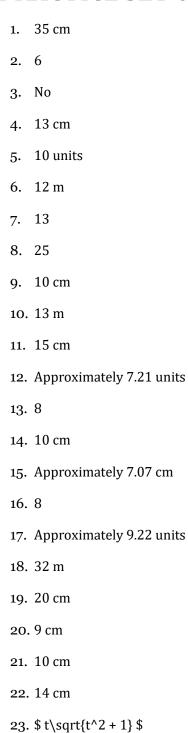
PRACTICE SET 002 ANSWERS



24. 14 cm

25. \$\sqrt{100 - x^2}\$

- 26. 4 cm and 8 cm
- 27. Yes
- 28. 85 cm
- 29. \$5\sqrt{2} \$ cm
- 30. 24 cm
- 31. 10 units
- 32. \$ 5x \$
- 33. 10 cm
- 34. (Requires cosine rule)
- 35. 13 m
- 36. Yes
- 37. \$ s\sqrt{2} \$
- 38. 56 cm
- 39. 12 cm
- 40. 25 cm and 60 cm
- 41. $2\sqrt{a^2 + b^2}$
- 42. 15 m
- 43. 25 cm
- 44. 5 units
- 45. 12 cm
- 46. Approximately 7.07 cm
- 47. Approximately 9.17 cm
- 48. 12 cm
- 49. 14.14 cm
- 50. 13 m
- 51. 4
- 52. Approximately 14.49 cm
- 53. 13

- 54. 7 cm
- 55. No
- 56. 12 cm
- 57. 50 cm
- 58. 36 m
- 59. $a^2 + b^2 = c^2$
- 60. Approximately 35.92 cm
- 61. Approximately 10.39 cm
- 62. 5 cm
- 63. Approximately 18.38 cm
- 64. Approximately 8.70 cm
- 65. 5 units
- 66. 12 cm
- 67. Depends on \$ x \$ (algebraic expression)
- 68. $s \sqrt{3}$
- 69. 10 cm
- 70. 17 cm
- 71. \$ 12\sqrt{2} \$ m
- 72. 10 cm
- 73. Approximately 5.92 units
- 74. 12 cm
- 75. 5 m
- 76. Approximately 12.17 units
- 77. $\frac{3}{2} x$
- 78. 61 cm
- 79. 5
- 80.7
- 81. 24 cm

- 82. \$ 4\sqrt{3} \$
- 83.7 cm
- 84. Approximately 8.54 m
- 85. Approximately 56.57 m
- 86. 15 cm
- 87. 13
- 88. Depends on \$ x \$ (algebraic expression)
- 89. Approximately 23.87 cm
- 90. Approximately 7.07 cm
- 91. 5 cm
- 92. 3, 4, 5
- 93.84
- 94.8
- 95. Approximately 5.83 units
- 96. 21 cm
- 97. Approximately 13.86 cm
- 98. 10 m
- 99. 6, 8, 10
- 100. Approximately 23.87 cm