

Answer Key

Lesson 7.1

Practice Level C

- 1.** 51 **2.** $5\sqrt{13}$ **3.** $4\sqrt{73}$ **4.** $\sqrt{301}$ **5.** $18\sqrt{2}$
6. $6\sqrt{13}$ **7.** $7\sqrt{51}$ in.² **8.** $96\sqrt{85}$ m²
9. $\frac{375\sqrt{51}}{4}$ ft² **10.** B **11.** 40; hypotenuse
12. 51; hypotenuse **13.** 75; leg
14. 175; hypotenuse **15.** 30; leg **16.** 135; leg
17. 90.1 cm² **18.** 155.8 ft² **19.** 155.0 in.²
20. 116.6 mi² **21.** 238.1 in.² **22.** 779.4 m²
23. C **24.** $\frac{7\sqrt{51}}{2}$ in.² **25.** $48\sqrt{10}$ m²
26. $352\sqrt{3}$ ft² **27.** $8\sqrt{2}$ **28.** $2\sqrt{22}$
29. $2\sqrt{127}$ **30.** 35 in. **31.** 400 ft and 750 ft
32. 571.9 ft **33.** 0.29 **34.** 48