

Answer Key

Lesson 4.1

Practice Level C

1. scalene; 20; acute **2.** isosceles; 25; obtuse

3. equilateral; 60; equiangular **4.** $x = 10$; $y = 71$

5. $x = 50$; $y = 33$ **6.** $x = 15$; $y = 42$

7. $x = 85$; $y = 58$ **8.** 60° **9.** 120° **10.** 60°

11. 120° **12.** 30° **13.** 30° **14.** 74°

15. $m\angle B = 115^\circ$; $m\angle C = 23^\circ$ **16.** 8 in. by 11 in. by 11 in.; 8 in. by 8 in. by 14 in.

17. 864 in. **18.** 576 in. **19.** 1056 in.