Geometry Answers

Practice 5-5

1. $\angle M, \angle N$ **2.** $\angle C, \angle D$ **3.** $\angle S, \angle Q$

4. $\angle R, \angle P$ **5.** $\angle A, \angle T$ **6.** $\angle S, \angle A$

7. yes; $4 + 7 > 8, 7 + 8 > 4, 8 + 4 > 7$

8. no; $6 + 10 \not> 17$ **9.** yes; $4 + 4 > 4$

10. yes; $1 + 9 > 9, 9 + 9 > 1, 9 + 1 > 9$

11. yes; $11 + 12 > 13, 12 + 13 > 11, 13 + 11 > 12$

12. no; $18 + 20 \not> 40$ **13.** no; $1.2 + 2.6 \not> 4.9$

14. no; $8\frac{1}{2} + 9\frac{1}{4} \not> 18$ **15.** no; $2.5 + 3.5 \not> 6$

16. $\overline{BC}, \overline{AB}, \overline{AC}$ **17.** $\overline{BO}, \overline{BL}, \overline{LO}$ **18.** $\overline{RS}, \overline{ST}, \overline{RT}$

19. $\angle D, \angle S, \angle A$ **20.** $\angle N, \angle S, \angle J$ **21.** $\angle R, \angle O, \angle P$

22. $3 < x < 11$ **23.** $8 < x < 26$ **24.** $0 < x < 10$

25. $9 < x < 31$ **26.** $2 < x < 14$ **27.** $13 < x < 61$

Practice 8-1

1. $\sqrt{51}$ **2.** $4\sqrt{7}$ **3.** $2\sqrt{65}$ **4.** $\sqrt{7}$

5. $2\sqrt{21}$ **6.** $18\sqrt{2}$ **7.** 46 in.   **8.** 78 ft

9. 279 cm   **10.** 19 m   **11.** acute   **12.** right

13. obtuse   **14.** right   **15.** obtuse   **16.** acute