Geometry 5.1-5.2 Review Answers

1. 83º
2. 97º
3. 53º
4. 53º
5. <1
6. <8 and <5
7. <1
8. <6
9. x = 12
10. x = 15; y = 9; z = 35
11. x = 7; y = 8
12. x = 14.4; y = 13.6
13. A and C
14. B and E
15. A and B
16. Since <6 is congruent to corresponding <10 the lines are parallel
17. Since lines are parallel from #16 then alternate interior angles are congruent (<7 and <10)
18. Cannot prove parallel
19. Cannot prove parallel
20. Since lines are parallel from #16 then alternate exterior angles are congruent (<6 and <11)
21. True. <7 and <10 are congruent from #17 and both are right angles when added together form a straight line. The definition of supplementary.
22. Answers will vary
23. Answers will vary