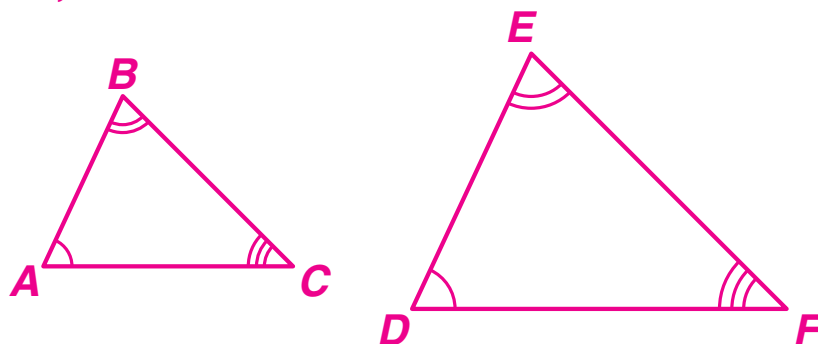


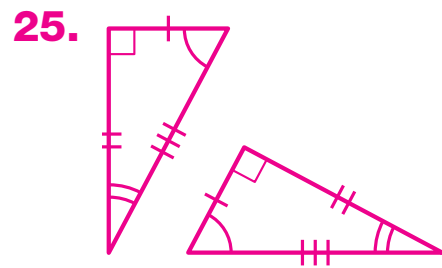
Answers for Lesson 7-3, pp. 314–316 Exercises

1. size and shape
2. true
3. SAS
4. SSS
5. $\overline{EH} \cong \overline{GF}$; $\angle EHF \cong \angle GFH$; $\overline{FH} \cong \overline{FH}$;
 $\angle FEH \cong \angle HGF$; $\overline{EF} \cong \overline{GH}$; $\angle EFH \cong \angle GHF$
6. Michael
7. $PALK \cong PSNK$
8. $\triangle BCR \cong \triangle BYD$
9. SAS
10. ASA
11. 104°
12. 86°
13. 0.9 cm
14. 1.6 cm
15. 62°
16. 108°
17. 1.4 cm
18. 1.7 cm
19. (6, 1)
20. Answers may vary. Sample: Not congruent; the triangles have two pairs of congruent sides and a pair of congruent angles, but the angles are not included between the two sides.
21. congruent; SAS using vertical angles
22. Answers may vary. Sample: Similar triangles have corresponding sides that are in proportion, while congruent triangles have corresponding sides that are congruent.
23. no; $\triangle ABC \not\cong \triangle DEF$



24. ASA

Answers for Lesson 7-3, pp. 314–316 Exercises (cont.)



26. 0.13 km

27. 0.09 km

28. SAS or ASA; $m\angle E = 59^\circ$; $DE = VX = 10$

29. A

30. J

31. B

32. 0.15

33. 0.0372

34. 1.8

35. 0.00015

36. 0.0049