

SM2H 7.4 Triangles Answers

1. $x = 36$
2. $y = 45$
3. $x = 55$
4. $m\angle P = 60$
 $m\angle Q = 90$
 $m\angle R = 30$
5. $x = 44$ $y = 44$
6. $x = 22$ $y = 114$
7. $x = 6$ $YZ = 35$
8. $x = 8$
 $m\angle A = 72$
 $BC = 12$
 $AC = 12$
9. $x = 97$ $y = 150$
10. $x = 40$ $y = 50$
11. $x = 45$ $y = 95$
12. $m\angle A, m\angle B, m\angle C = 60$
13. $m\angle C \cong m\angle F$
14. $m\angle B + m\angle C = 90$
15. $m\angle 1 = 65$
 $m\angle 2 = 65$
 $m\angle 3 = 61$
16. $m\angle 1 = 128$
 $m\angle 2 = 52$
 $m\angle 3 = 68$
 $m\angle 4 = 60$
 $m\angle 5 = 116$
17. $m\angle 1 = 38$
 $m\angle 2 = 104$
 $m\angle 3 = 76$
 $m\angle 4 = 76$
 $m\angle 5 = 28$
 $m\angle 6 = 104$
 $m\angle 7 = 114$
 $m\angle 8 = 142$
18. $x = 1, AC = 24$
19. $x = 2, AM = 26, MB = 26$
20. $x = 4, y = 3, z = 3$
21. RT
22. TR
23. PR
24. RP
25. $x = 12$
26. $x = 10$
27. $x = 15$
28. $x = 12$
29. $x = 25$
30. $x = 5$
31. $x = 13$
32. $x = 11$
33. $x = 4$
34. $\frac{9}{36} = \frac{1}{4}; \frac{4}{16} = \frac{1}{4};$ Parallel
35. $\frac{9}{12} = \frac{3}{4}; \frac{15}{21} = \frac{5}{7};$ Not Parallel
36. $XZ = 22$
37. $AB = 12$
38. $x = 9$
39. $x = 8$
40. $x = -9$ and $OP = 6$
41. $x = 10$ and $GH = 12$
42. $BD, DA, EF = 18$
 $CE, EB, FD = 24$
 $CF, FA, DE = 30$