

Geometry Mock Answers Session 1

1. It could be a sphere – so definition needs to be more precise stating it should be from the center that the radii are congruent and it should be in one plane.
2. D
3. 2nd and last box checked
4. (can be in any order or any various equations that will work) $y=-1x + 6$ and $y = -1x+10$ and parallel
5. A
6. D
7. translation, reflection, reflection, rotation (top two and then bottom two – left to right)
8. 1st and 4th box checked
9. D
10. B
11. B
12. A
13. D
14. False, True, False
15. Reason 3 is the last option, Reason 6 is the third option
16. D
17. Statement & Reason choices # the options 1-4 then the answers would be for Statements in the following order 2, 3, 1, 4 and then the Reasons would be 3, 4, 1, 2
18. B
19. 56
20. Statement 3 is the first statement choice and Reason 3 is the 3rd reason choice
21. D
22. Step 3
23. D
24. B
25. Yes, Yes, No, No
26. 2nd, 3rd, and 4th box checked
27. C
28. 1st, 3rd, and last box checked
29. C
30. B
31. D
32. D
33. Just know that the triangles are proportional and similar due to angle/angle (AA Similarity)
34. C
35. A
36. FAD = BAD due to ASA
37. 125
38. No $x = 9.6$
39. 0.12
40. 154
41. 80
42. 12.1 and 7.1 and Mark
43. 29.6, 23.1 or 37.6, 45.1
44. B
45. 45. $\sin 30 = \frac{1}{2}$ same with $\cos 60$ $\cos 30 = \sqrt{3}/2$ same with $\sin 60$ same value, same value, and opp angles so opp/hyp is equal to adj/hyp or 30/60/90 formula
46. 0.4