

Geometry Mock 2 Answers

1. $(x+2)(y-1)$ and $3x, 3y$
2. D
3. 100
4. C
5. 134 (central angle) 67 (inscribed angle) 46 (circumscribed angle)
6. C
7. C
8. $ABC = 180 - ADC$ or $ADC = 180 - ABC$
9. circle inside triangle *radii are from center to the edge of triangle, angle bisectors, incenter
10. Circle outside triangle *radii are from vertex to center, perpendicular bisectors, circumcenter
11. D
12. D
13. $x/180$ times π times radius and 3.7 times x times π times radius divided by 180
14. A
15. D
16. 2nd, 4th, and 5th boxes checked
17. B
18. 55.6
19. B
20. 251.3 is the volume of the snow cone in a cup which is the most
21. A
22. A
23. $(x-3)^2 + (y+4)^2 = 49$ absolute value of $x-3$ absolute value of $y+4$ and the pythagorean theorem
24. B
25. B
26. A
27. $(-1,6)$ midpoint bisect each other at 90 degrees (perpendicular bisectors)
28. A
29. B
30. $y = 3/2x + 4$
31. D
32. $n = -3$ and $q = 2$
33. 7.3, 4.6
34. 10
35. A
36. 20.31
37. 60 and 150
38. 30 and 50