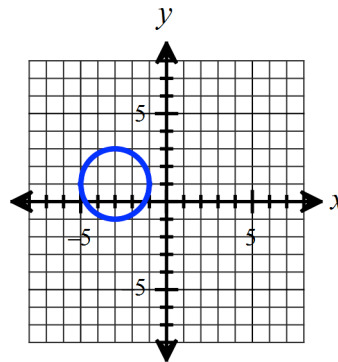


SM2 Unit 12 test review answers

1. \overline{GK} , \overline{EF} , or \overline{HC}
2. \overline{EF}
3. \overline{HC}
4. \overline{BD}
5. \overline{LJ} , \overline{LH} , or \overline{LC}
6. B
7. L
8. 35° , minor
9. 145° , minor
10. 215° , major
11. 53° , minor
12. $x = 132^\circ$
13. $x = 26^\circ$
14. $x = 54.5^\circ$
15. $y = 42^\circ$
16. $x = 89^\circ$
17. $x = 90^\circ, y = 28^\circ$
18. $x = 102^\circ, y = 83^\circ$
19. $x = 4$
20. $x = 15$
21. \overline{AB} is tangent to the circle
22. \overline{AB} is not tangent to the circle
23. 6π cm, 18.8 cm
24. $\frac{28}{3}\pi$ ft, 29.3 ft
25. 6π in², 18.8 in²
26. $\frac{135}{2}\pi$ mi² or 212.1 mi²
27. $x = 12$
28. $x = 7$
29. $x = 4$
30. $x = 6$
31. $x = 7$

32. $x^2 + (y - 4)^2 = 4$
33. $(x + 3)^2 + (y + 8)^2 = 36$
34. center: $(4, -1)$, radius: 1
 $(x - 4)^2 + (y + 1)^2 = 1$
35. center: $(-1, 2)$, radius: 3
 $(x + 1)^2 + (y - 2)^2 = 9$
36. center: $(-3, 1)$, radius: 2



37. center: $(4, 0)$, radius: 5

