Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Topic** | **Things to Remember** | **Examples** | | |
| Find the measure of arcs from central angles. | Angle = Arc |  | | 1. Find |
| 2. Find |
| 3. Find |
| 4. Find |
| Find the measure of arcs and angles with inscribed angles |  | 5. Find | | 6. Find |
| 7. Find | | 8. Find |
| Find the measure of arcs and angles if the angle is inside the circle |  | 9. Find  and | | 10. Find the value of x. |
| 11. Find 1 & 2 | | 12. Find 1 & 2 |
| Find the measure of arcs and angles if the angle is outside the circle. |  | 13. Find 1. | | 14. Find 1 & 2. |
| 15. Find 1 & 2.    170○ | | 16. Find the value of x.  x○  50○ |
| Find the area of circles |  | 17. The area of a circle is 31.4 cm2. What is the radius? | | 18. Find the area of a circle with a diameter of 22 inches. |
| Find the area of sectors |  | 19. Find the area of the shaded region | | 20. Find the area of the shaded region.    **6 in** |
| Find the circumference of circles |  | 21. Find the circumference of a circle with a radius of 8 m. | | 22. The circumference of a circle is 25.12 ft. What is the radius? |
| Find arc lengths |  | 23. Find the arc length of | | 24. Find the arc length of .    **4 in** |
| Word Problems | 25. A birthday cake has a radius of 4 in. What is the length of icing needed to go around the end of the whole cake? How much icing would be used for one slice? | | 26. A wall clock has an area of 452.39 in2. Find the diameter of the clock. Then, find the area of the sector formed when the time is 3:00. | |