Pre-Algebra WS 6.1 A/B Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.1 A I can find the circumference of a circle. 6.1 B I can find the area of a circle.

Use 3.14 for $π$ and round your answer to the nearest tenth.





18. Find the radius if the circumference of a circle is 56.52 cm.

19. Find the diameter if the circumference of a circle is 62.8 ft.

20. Find the radius if the area of a circle is 28.26 cm2.

21. Find the diameter if the area of a circle is 63.585 ft2.

6.2 I can find the volume of a cylinder Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the Volume of the following. Use 3.14 for $π$ and round your answer to the nearest tenth.







10. Find the radius if the amount of wax required to make a candle with a height of 61 mm and volume of 1723.86 mm3.

11. Find the height if the amount of wax required to make a candle with a radius of 11 cm and volume of 2659.58 cm3.

6.3 I can find the volume of a cone Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the Volume of the following. Use 3.14 for $π$ and round your answer to the nearest **hundredths.**







10. Find the radius of a cone if the volume is 150.72 ft3 and the height is 9 ft.

11. Find the height of a cone if the volume is 65.94 cm3 and the radius is 3 cm.

6.4 I can find the volume of a sphere Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the Volume of the following. Use 3.14 for $π$ and round your answer to the nearest **hundredths.**



10. Find the radius of a sphere if the volume is 33.49$\overbar{3}$ ft3.

11. Find the radius of a sphere if the volume is 523.$\overbar{3}$ cm3.