

Exploring Geometry Note-Taking Guide

1. A _____ is a shape with all points the same distance from the center.
2. The circumference measures _____ a circle.
3. The distance across a circle through the center is called the _____.
4. _____ is the ratio of the circumference of a circle to the diameter.
5. $\pi =$ _____
6. To calculate circumference we use the formula $C =$ _____
7. The radius of a circle is the distance from the _____ of circle to _____ on the circle.
8. The diameter is _____ the radius.
9. To find the area of a circle multiply _____ by the square of the _____.
10. A _____ has six faces that are rectangles.
11. A rectangular prism has _____ ends and _____ sides. _____ sides have the same area.
12. To find the surface area of a rectangle _____ the area of all sides.
13. To find the area of a rectangle take the _____ x _____.
14. To find the volume of a rectangular prism use the formula $V =$ _____
15. Triangular prisms have _____ identical ends and all identical _____.
16. The shapes of the ends are _____.
17. The formula for finding the volume of a triangular prism is:

Volume = $\frac{1}{2}$ _____ X width X _____

18. A cylinder has a _____ base and a _____ top.

19. To find the surface area of a cylinder use the following formula: _____

20. To find the volume of a cylinder : Area of the base X _____ Please put the formula in for finding the area of a circle