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

STAAR Mathematics Chart Scavenger Hunt

|  |  |
| --- | --- |
| **Which formula would you use…** | **Formula** |
| 1. to find the lateral surface area of a cylinder?
 |  |
| 1. to find the area of a circle?
 |  |
| 1. That might require you to divide by 2? (Hint: there are 4.)
 |  |
| 1. to find the surface area of a cube?
 |  |
| 1. to find the area of a parallelogram?
 |  |
| 1. to find the area of a trapezoid?
 |  |
| 1. to find the length of a missing side of a right triangle?
 |  |
| 1. to find the total surface area of a cylinder?
 |  |
| 1. to find the volume of a cone?
 |  |
| 1. to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?
 | $$\\_\\_\\_\\_=Ph$$ |
| 1. to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?
 | $$\\_\\_\\_\\_=\frac{4}{3}πr^{3}$$ |
| 1. to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?
 | $$\\_\\_\\_\\_=Ph+2B$$ |
| 1. to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?
 | $$\\_\\_\\_\\_=Bh$$ |
| 1. to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?
 | $$\\_\\_\\_\\_=πd$$ |
| 1. to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?
 | $$\\_\\_\\_\\_=\frac{1}{2}Pl$$ |

1. True or False: Multiplying by ½ is the same thing as dividing by 2. \_\_\_\_\_\_\_\_\_\_
2. The shape of a base of a cylinder is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. The space inside a 3-D figure is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. The sum of the areas of all of the faces on a 3-D figure is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. Pi is approximately \_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_.