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

STAAR Mathematics Chart Scavenger Hunt

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| **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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? |  |
| 1. to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? |  |
| 1. to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? |  |
| 1. to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? |  |
| 1. to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? |  |
| 1. to find the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? |  |

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 \_\_\_\_\_\_\_\_\_.