Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_ Period: \_\_\_\_ Date: \_\_\_\_\_\_

**9.3A Surface Areas of Cylinders \_Classwork**

*Objective: find surface area of cylinders. CC.SS.7.G.6*

*HW: 9.3A pg 372\_ #6-13 ALL*

|  |  |  |
| --- | --- | --- |
| **WARM-UP**Find the area and circumference for each circle.Formula for Area = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Formula for Circumference = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 1.Area = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Cir = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2. Area = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Cir = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

 |



**Find the lateral surface area of the cylinder. Round your answer to the nearest tenth.**

|  |  |
| --- | --- |
| 1. | 2.TA: S:\mscc7wb03.01\Red Production\Red Record and Practice Journal\Art\09\mscc7_rpj_0903_09.eps,11/7/2012 12:45:24 PM replaced: 7/31/2016 7:31:39 PM |

**Find the surface area of the cylinder. Round your answer to the nearest tenth.**

|  |  |
| --- | --- |
| 3. | 4.TA: S:\mscc7wb03.01\Red Production\Red Record and Practice Journal\Art\09\mscc7_rpj_0903_11.eps,11/7/2012 12:46:04 PM replaced: 7/31/2016 7:31:41 PM |

**CRITICAL THINKING PROBLEMS**

|  |  |
| --- | --- |
| **Problem 1:** Cat foodTA: S:\mscc7wb03.01\Red Production\Red Record and Practice Journal\Art\09\mscc7_rpj_0903_12.eps,11/7/2012 12:46:29 PM replaced: 7/31/2016 7:31:41 PM | 1. How much paper is used in the label for the can of cat food?Round your answer to the nearest whole number. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. If the company is making the label and it cost them $0.05 per mm2, how much is each label? \_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| **Problem 2:** Cheese | The cut wedge represents one-eighth of the cheese.1. Find the surface area of the cheese before it is cut. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Find the surface area of the remaining cheese after the wedge is removed. Did the surface area increase, decrease, or remain the same? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |

<https://static.bigideasmath.com/protected/content/pe/ca/g7_09.pdf>



