Name Date

Surface Areas of Cylinders Homework Day 1

9.3

|  |  |
| --- | --- |
| TA: C:\replacearts\Red Resources by Chapter\Red Chapter 9 RBC\Arts\PNGs\mscc7_rbc_0903_08.png1.) | TA: C:\replacearts\Red Resources by Chapter\Red Chapter 9 RBC\Arts\PNGs\mscc7_rbc_0903_12.png2.) |
| TA: C:\replacearts\Red Resources by Chapter\Red Chapter 9 RBC\Arts\PNGs\mscc7_rbc_0903_10.png3.) | TA: C:\replacearts\Red Resources by Chapter\Red Chapter 9 RBC\Arts\PNGs\mscc7_rbc_0903_11.png4.) |
| 5.) A cosmetics company that makes small cylindrical bars of soap wraps the bars in plastic prior to shipping. Find the surface area of a bar of soap if the diameter is 5 cm and the height is 2 cm. Use 3.14 for π. | 6.) Mrs. Amrhein made a cylindrical pencil holder. It has a height of 5 in and a diameter of 3 in. How much material does she need to make her pencil holder? |
| 7.) Mary wants to make several cans like the one below. She is going to cut them from a sheet of metal that has an area of 3,750 in2. How many can she make? Use 3.14 for π.5 in6 in |

9.3 Homework Day 1:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1.) 150.72 in2 | 2.) 113.04 cm2 | 3.) 401.92 ft2 | 4.) 552.64 mm2 | 5.) 70.65 cm2 | 6.) 54.165 in2 |
| 7.) 24 cans (SA = 150.72 in2) |