

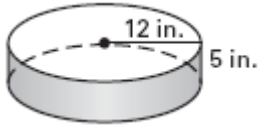
Name \_\_\_\_\_

## 12.4 Surface Area of Cylinders

Formula: \_\_\_\_\_

Draw a net for the cylinder and label the dimensions. Then use the net to find the surface area of the cylinder. Use 3.14 for  $\pi$ .

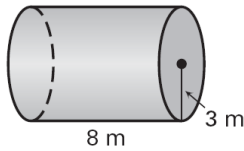
1.



Net

Work

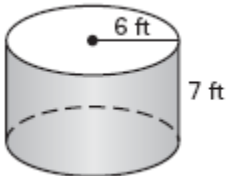
2.



Net

Work

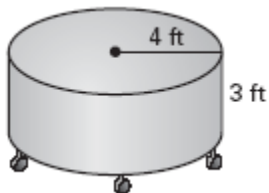
3.



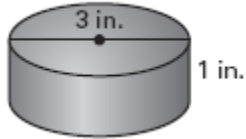
Net

Work

4. You are covering the stool below completely with fabric. How much fabric do you need to complete the project?

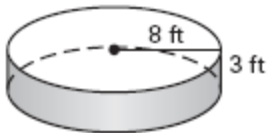


5. A hockey puck has the dimensions shown. What is the surface area of the hockey puck?

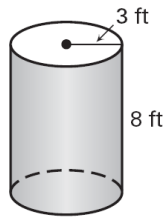


Match the cylinder with its approximate surface area.

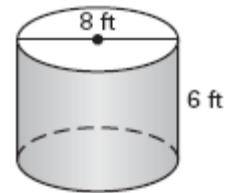
6.



7.



8.



A.  $207.24 \text{ ft}^2$

B.  $251.20 \text{ ft}^2$

C.  $552.64 \text{ ft}^2$