Name:	

Date: _____



Surface Area of a Cylinder

MathLinks 8, pages 182-187

Key Ideas Review

Choose from the following terms to complete #1.

34D objects add area Groumference

1. Complete each statement.

a)	To find the surface area of a cylinder, you	the
	of each face of the object.	

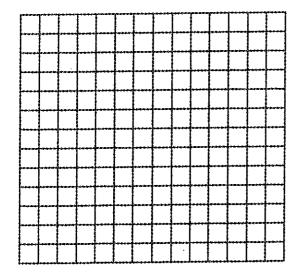
b) A net of a _____ is made up of three faces.

c) The rectangle in the net of a cylinder uses the ______ of the circle as one dimension.

Practise and Apply

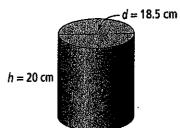
2. Sketch a net for this cylinder.





3. Estimate the surface area for each cylinder.

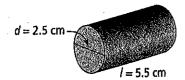
a)



b)

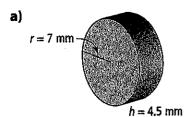


4. Calculate the surface area of this cylinder to the nearest hundredth of a square centimetre.

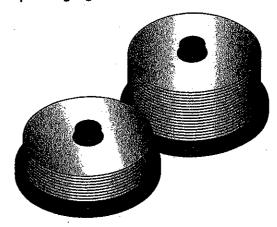


5. Use the following formula to find the surface area of each cylinder to the nearest hundredth of a square unit.

$$SA = (2 \times \pi \times r^2) + (\pi \times d \times h)$$

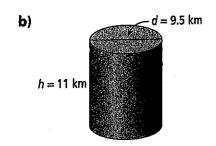


6. Recordable disks come in bulk packaging of various sizes.



A single compact disk has a diameter of 12 cm and a width of 0.1 cm.

 a) Calculate the surface area of one compact disk to the nearest tenth of a centimetre squared.



b) Calculate the surface area of a bulk container that holds 50 compact disks. Explain your reasoning.