### SURFACE AREA OF CYLINDERS

Name:	_Class:	Due Date:	
Family Member Signature:			

## **Objective:**

To practice finding the surface area of cylinders.

## **Necessary Information:**

In order to find the surface area of a cylinder students must calculate the area of the top and bottom circle base and the curved, lateral face.



Surface Area = 2 lids + lateral face

Calculators are encouraged.

## **Practice Section:**

1. For each of the following, draw either the net or the 3D object (whichever is missing) with measurements labeled. Then, calculate the surface area.

a)	10 <u>cm</u> 30 cm	
	d <sub>lid</sub> =	h <sub>cylinder</sub> =
	r <sub>lid</sub> =	C <sub>lid</sub> =
	A <sub>bottomlid</sub> =	A <sub>lateralsurface</sub> =
	A <sub>toplid</sub> =	Surface Area =



d <sub>lid</sub> =	h <sub>cylinder</sub> =
r <sub>lid</sub> =	C <sub>lid</sub> =
A <sub>bottomlid</sub> =	A <sub>lateralsurface</sub> =
A <sub>toplid</sub> =	Surface Area =

# In <u>Your</u> Real World:

With a family member, calculate the surface area of the Pringles can. Now, use your estimation skills to guess how many Pringles this can would hold.

32 mm		d <sub>lid</sub> =	h <sub>cylinder</sub> =
		r <sub>lid</sub> =	C <sub>lid</sub> =
	291 mm	A <sub>bottomlid</sub> =	A <sub>lateralsurface</sub> =
		A <sub>toplid</sub> =	Surface Area =
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Number of Pringles in can: \_\_\_\_\_