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Name:		Class:	
	Volume and surface area	a of cylinders.	
nd the volume of t	his cylinder. Use 3.14 for π . Rou	nd your answer to the nea	rest hundr
	Formula for volume of c	ylinder = area x height	
, 5 cn	1		
	Area of circle = πr^2	Volume of cylinder = a	area x heigh
10 cr	$r = 5 \text{ cm} \text{ and } \pi = 3.14$	Area = 78.5 cm ²	
	Area = $3.14 \times 5 \text{cm} \times 5 \text{cm}$ 78.5 cm^2	Height = 10 cm Volume = $78.5 \text{ cm}^2 \times 1$	0 cm
		785 cm ³	
	So the volume of the cylinder i	s 785 cubic centimeters.	
ind the surface area	of this cylinder. Use 3.14 for π		
7 or			
3 cr	Area of circle = πr^2		
	Since the 2 circles have th	e same radius, the area will	be 2 times m
5 cn	So area of our cylinder	will be = $(2 \times (\pi r^2))$	
	$r = 3 \text{ cm} \text{ and } \pi = 3.14$		
	Area = $(2 (3.14 \times 3 cm \times 3 \times 3 + 4 \times 3 \times 4 \times 3 \times 4 \times 3 \times 4 \times 3 \times 4 \times 4 \times$	3cm))	
	Area = 56. 52 cm ²		
	So the surface area of the cy	linder is 56.52 square cent	imeters.