Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homework More practice with circles and cylinders due Friday, October 26

**SHOW ALL WORK!**

**1.1 Relationship of pi**

Diameter is 20 cm. The circumference is 62.8 cm. Find circumference divided by diameter.

Circumference Is 263.76 inches and the radius is 42 inches. Find the circumference divided by diameter.

**1.2 Circumference**

Find the circumference of this circle.

A kids bicycle wheel is 12 inches across. How far will the bicycle go when the wheel goes around once?

A bicycle wheel is 20 inches across. How far can the bicycle go if the wheel goes around 20 times?



**1.3 Area**

Find the area of this circle.

A large pizza is 18 inches across. How much pizza will my family eat?

**1.4 Volume**

A can of diced tomatoes is 7 centimeters across and 12 centimeters tall. How much diced tomatoes can fit inside the can?

A really large can of diced tomatoes is 22 centimeters across and 30 centimeters tall. How much diced tomatoes can fit inside the can?



**1.5 Surface Area**

Find the surface area of the cylinder

A can of diced tomatoes is 7 centimeters across and 12 centimeters tall. How much material is needed to make the can?

A really large can of diced tomatoes is 22 centimeters across and 30 centimeters tall. How much material is needed to make the can?