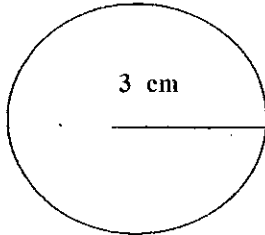


4-8 Area of a Circle Homework

$$\text{Area} = \pi \times r^2 \quad \text{or} \quad \text{Area} = \pi \times r \times r$$

****Remember to round all answers back to the hundredths!****

1: Find the Area



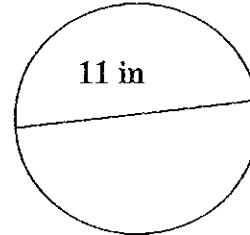
$$A = \pi \times r \times r$$

$$A =$$

$$A =$$

Now you're ready to solve for Area:

2: Find the Area



$$r = \frac{1}{2} d$$

$$r =$$

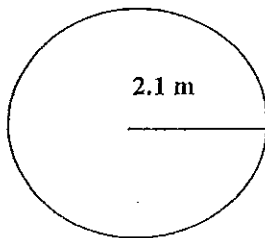
$$r =$$

$$A = \pi \times r^2$$

$$A =$$

$$A =$$

3: Find the Area



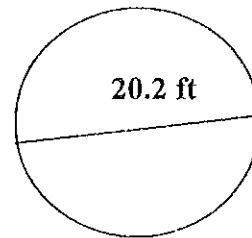
$$A =$$

$$A =$$

$$A =$$

Now you're ready to solve for Area:

4: Find the Area



$$r =$$

$$r =$$

$$r =$$

$$A =$$

$$A =$$

$$A =$$

Example #3: Find the Area:

**Circumference is 44 units.

**The key is to find the diameter first, then the radius second, then the Area.

Solve for diameter:

1. $d = c \div \pi$

$d =$

$d =$

Then, solve for radius:

2. $r = d \div 2$

$r =$

Then solve for Area:

3. $A = \pi \times r^2$

$A =$

$A =$

