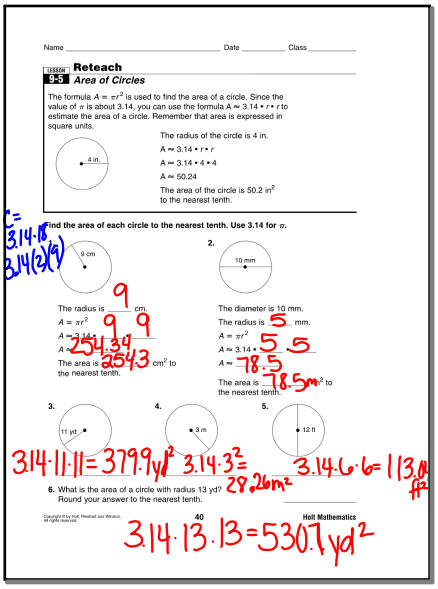

Name _____ Date _____ Class _____

LESSON 9-5 **Reteach**

Area of Circles

The formula $A = \pi r^2$ is used to find the area of a circle. Since the value of π is about 3.14, you can use the formula $A \approx 3.14 \cdot r \cdot r$ to estimate the area of a circle. Remember that area is expressed in square units.

The radius of the circle is 4 in.

$A \approx 3.14 \cdot r \cdot r$

$A \approx 3.14 \cdot 4 \cdot 4$

$A \approx 50.24$

The area of the circle is 50.2 in^2 to the nearest tenth.

Find the area of each circle to the nearest tenth. Use 3.14 for π.

1.

The radius is ____ cm.

$A = \pi r^2$

$A \approx$ _____

$A \approx$ _____

The area is _____ cm^2 to the nearest tenth.

2.

The diameter is 10 mm.

The radius is _____ mm.

$A = \pi r^2$

$A \approx$ _____

$A \approx$ _____

The area is _____ mm^2 to the nearest tenth.

3.

4.

5.

6. What is the area of a circle with radius 13 yd? Round your answer to the nearest tenth.

Circumference: 3.14(Diameter)

OR 3.14(2)(radius)

May 15-10:31 AM