

**11.6 Circumference of a Circle**

Name \_\_\_\_\_

**11.7 Area of a Circle**

**WORD PROBLEMS**

1) A circular pool has a radius of 12 meters. What is the circumference of the pool? Round to the nearest tenth. (Use 3.14 for  $\pi$ .)

Finding: Circumference or Area

Formula: \_\_\_\_\_

We know the: radius or diameter

My work:

2) A circular mirror has a diameter of 16 cm. What is the area of the mirror to the nearest tenth? (Use 3.14 for  $\pi$ .)

Finding: Circumference or Area

Formula: \_\_\_\_\_

We know the: radius or diameter

My work:

3) A bicycle tire has a diameter of 20 inches. What is its circumference? Round to the nearest tenth. (Use 3.14 for  $\pi$ .)

Finding: Circumference or Area

Formula: \_\_\_\_\_

We know the: radius or diameter

My work:

4) If the radius of a circle is 2 feet, what is its circumference? Round to the nearest tenth. (Use 3.14 for  $\pi$ .)

Finding: Circumference or Area

Formula: \_\_\_\_\_

We know the: radius or diameter

My work:

5) A circular painting has a radius of 18 cm. What is the area of the painting to the nearest tenth? (Use 3.14 for  $\pi$ .)

Finding: Circumference or Area

Formula: \_\_\_\_\_

We know the: radius or diameter

My work:

6) The diameter of the largest pizza at Ronny's is 18 inches. What is the circumference of this pizza? Round to the nearest tenth. (Use 3.14 for  $\pi$ .)

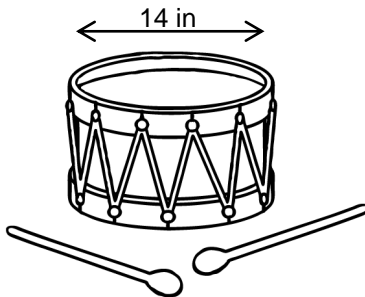
Finding: Circumference or Area

Formula: \_\_\_\_\_

We know the: radius or diameter

My work:

7) What is the area of the drumhead on the drum shown below? Round to the nearest tenth. (Use 3.14 for  $\pi$ .)



Finding: Circumference or Area

Formula: \_\_\_\_\_

We know the: radius or diameter

My work:

8) What is the area of the top surface of a circular manhole cover that has a radius of 19 inches? Round to the nearest tenth. (Use 3.14 for  $\pi$ .)

Finding: Circumference or Area

Formula: \_\_\_\_\_

We know the: radius or diameter

My work: