Geometry
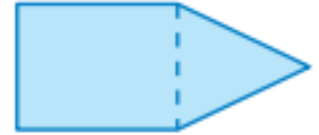
Area of a Circle

1. **Is the perimeter of the composite figure equal to the sum of the perimeters of the individual figures. Explain.**

2. **Draw a composite figure formed by a parallelogram and a trapezoid.**

π is usually rounded to 3.14

$$\pi \approx \quad \text{or}$$
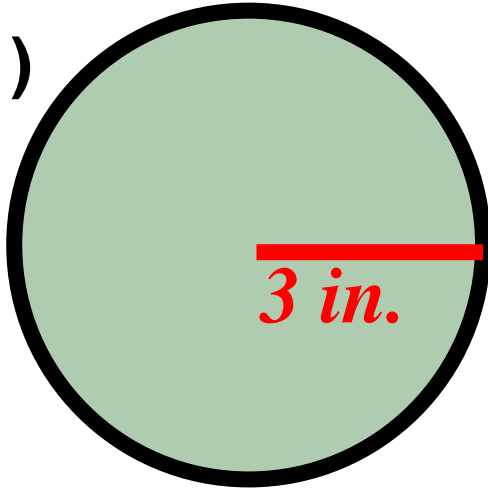
↑
Approximately

AREA FORMULA OF A CIRCLE

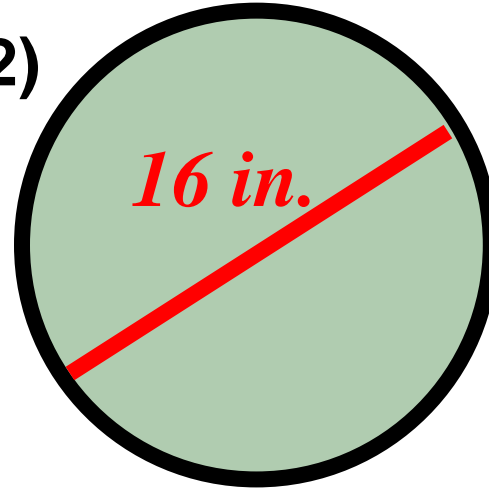One way to remember this, is that area is always measured in squares.

Practice

- Find the measure of the radius
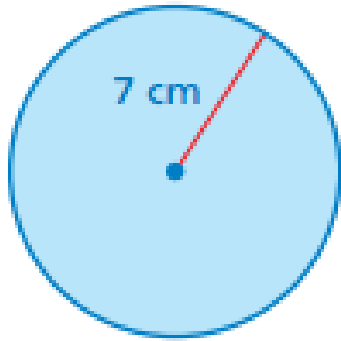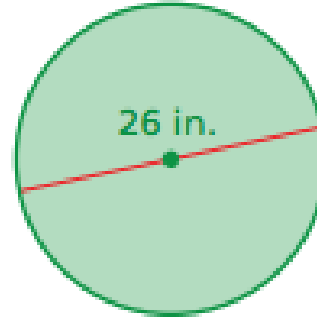- Write the formula
- Plug-in the known information
- Solve

1)

3 in.

2)

16 in.
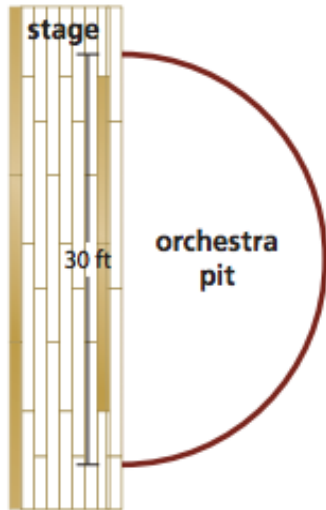
On Your Own

3)

7 cm

4)

26 in.

Finding the Area of a Semicircles:

5) Find the area of the semicircular orchestra pit.
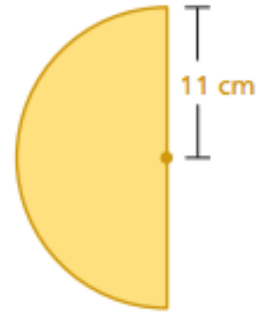**The area of the orchestra pit is one-half the area of a circle with a diameter of 30 feet.**

stage

30 ft

orchestra
pit

- **Find the measure of the radius**
- **Write the formula**
- **Plug-in the known information**
- **Solve**
- **Find half of this area**

On Your Own

6)

8 m

7)

11 cm