

Area of a Circle

The formula for the area of a circle is: $A = \pi \times r^2$

If r is known, simply substitute the known value for r in the formula. Use 3.14 for π .

Example #1:

Calculate A if $r = 4$ inches

$$A = \pi \times r^2 = 3.14 \times 4^2 = 3.14 \times 16 = 50.24 \text{ inches}^2$$

Notice that the unit (inches) is squared to show that it was multiplied by itself twice

Example #2:

Calculate A if $r = 6$ inches

$$A = \pi \times r^2 = 3.14 \times 6^2 = 3.14 \times 36 = 103.04 \text{ inches}^2$$