

LESSON 7

Formulas with Pi

Keys:



Try this

- Find the amount of border needed if you want to put a three-foot circular border around a tree in your yard.

$$C = 2\pi r \qquad 2 \cdot \pi \cdot 3$$

Enter: 2 3

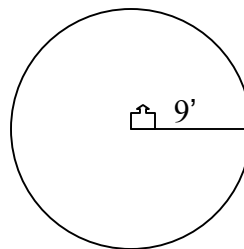


Display: 18.85

- How much lawn would be covered by a sprinkler with a radius of 9 feet?

$$A = \pi r^2 \quad \text{or} \quad \pi \cdot 9^2$$

Enter: 9



Display: 254.47

- Find the amount of space occupied by a ball that has a diameter of 1 foot. (radius = 0.5)

$$V = \frac{4\pi r^3}{3} \quad \text{or} \quad \frac{4}{3} \pi r^3$$

Enter 4 3 5 Display 0.52