

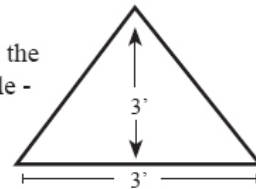
## How to Calculate Square Footage

The most common method of estimating the cost of replacing a driveway, sidewalk, patio etc. is by the square foot or square yard. Measuring and calculating area takes two of the three dimensions into account: width and length.

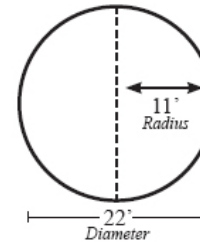
- **Area of the driveway:** To figure the area of the driveway, multiply the length by the width. For example, a driveway that is 16 feet wide (a typical two car garage) and 40 feet long would be calculated as such:  $16' \times 40' = 640$  square feet.
- **Area in square yards:** There are a total of 9 square feet in a square yard, so to calculate the number of square yards for your driveway, or floor as when ordering carpet, divide the total square footage of the driveway by 9 ( $640 \text{ square feet} / 9 = 71.11$  square yards).

Many driveways are not a perfect rectangle and need additional measurements. Divide the entire driveway into squares, triangles (flairs for example), rectangles and even circles if need be. Then add up the square footage for a total.

- **Area of a triangle:** For the area of a triangle, use this formula:  $.5 \times$  the base of the triangle  $\times$  the height of the triangle. If you have a triangle - a flair for example - that is 3 feet wide at the base and 3 feet high from the base to the peak, the calculation would be as follows:  $(.5 \times 3 \times 3 = 4.5 \text{ sq. ft.})$



- **Area of a circle:** The formula for calculating the area of a circle is:  $\pi \times \text{radius}^2$  ( $\pi = 3.1416$ ). So, if you want to know the area of a circle with a 22-foot diameter - which would be an 11-foot radius - the calculation would be:  $(3.1416 \times 11 \times 11 = 380.13 \text{ sq. ft.})$



**Example:**

- A  $16' \times 3' = 48 \text{ sq. ft.}$
- B  $1/2 \text{ circle (circle = } \pi \times \text{radius}^2)$   
 $1/2 (3.1416 \times 11 \times 11) = 190.06$
- C  $16' \times 40' = 640 \text{ sq. ft.}$
- D  $1/2 \text{ base} \times \text{height, } 1.5' \times 3' = 4.5 \text{ sq. ft.}$
- E  $1/2 \text{ base} \times \text{height, } 1.5' \times 3' = 4.5 \text{ sq. ft.}$

**Total A-E**  
 $48 + 190.06 + 640 + 4.5 + 4.5$   
 $= 887.06 \text{ total sq. ft.}$

