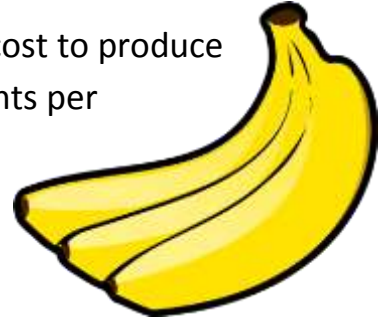


Problems of the Month

November 2017

General Problem:

A grocery store sells bananas for 50 cents per pound. If the cost to produce a banana is 5 cents per pound and the shipping cost is 25 cents per pound, how much profit does the store make by selling 500 pounds of bananas?



Calculus Problem:

Calculate the integral below.

$$\int \frac{5}{4 + 2x^2} dx$$

Challenge Problem:

An isosceles triangle has two side lengths measuring 1 foot. A circle is to be inscribed inside of the triangle. Find the area of the largest possible circle.

