Question:
Maximize Shapes
You have been hired to design a container that will hold 3,287 cm^3. The container is shaped like a Cone.

The formula's for the Surface Area and Volume of the shape are:

\[ SA = \pi r^2 + \pi r \sqrt{r^2 + h^2} \]
\[ Vol = \frac{1}{3} \pi r^2 h \]

The factory can't produce a container with a radius < 1 cm or a radius > 5000 cm.

**Determine the minimum Surface Area to contain this Volume. Use the Optimization[Minimize] function.**

1.) What is the radius of the container?

2.) What is the height of the container?

3.) What is the Surface Area of the container?
Information Fields:
No fields set