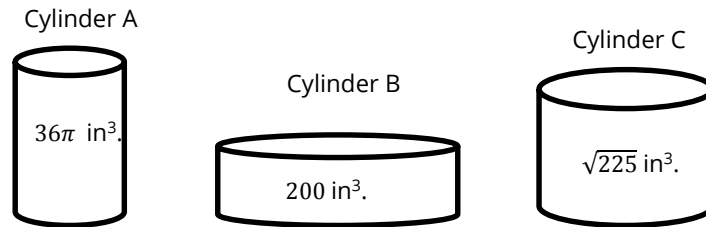


Possible Solutions

The volume of three cylinders is shown.



Not drawn to scale.

List the volume in order from greatest to least and justify your thinking.

Convert the volumes all into the same form in order to compare the numbers. Make sure to read the question carefully to determine if the list is least to greatest or greatest to least.

Cylinder A: 36π is approximately 113.1 because $36 \times \pi \approx 113.1$

Cylinder B: 200

Cylinder C: $\sqrt{225} = 15$

Once the volumes are all converted to just a number, then it is easy to see Cylinder B holds the most with Cylinder A, next and Cylinder C the least.