

Math 1A: Quiz 10
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Name: _____
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You must always justify your answers. This means: show your work, show it neatly, and when in doubt, use words (and pictures!) to explain your reasoning. No justification = no points.

1. (10 pts) A cone-shaped paper drinking cup is to be made to hold 27 cm^3 of water. Find the height and radius of the cup that will use the smallest amount of paper.

2. (bonus) What is one thing you are happy about from last week's midterm? What is one thing you will continue to work on?