QUIZ 3 - MATH 152	Friday, September 13
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Read each problem **very carefully** before starting to solve it and do only what is asked. Each problem is worth around 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. [6 points] Use the washer method to compute the volume of the solid resulting by revolving the region under  $f(x) = \sqrt{x}$ , from x = 0 to x = 4, around the y-axis.

2. [6 points] The figure shows the region under  $f(x) = x^4 - 2x^2 + 1$  over [0, 1]. Find the volume of the solid resulting from rotating the region around x = -2.

