Let R be the region in the first quadrant enclosed by the graph of $y = \sqrt{6x + 4}$, the line y = 2x, and the y-axis.

| a. | Find the area of R |
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| b. | Find the volume of the solid generated when R is revolved about the <u>x-axis</u> . |
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| C | Set up, but do not integrate, an integral expression in terms of a single variable for the volume of |
| с. | the solid generated when R is revolved about the v-axis |
| | the solid generated when it is revolved about the <u>y-axis</u> . |
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