













Some Area Formulas Area of a square with side length s: $Area = s^2$ Area of a semicircle with diameter length s: $Area = \frac{\pi}{8}s^2$ Area of an isosceles right triangle with leg length s: $Area = \frac{1}{2}s^2$ Area of an isosceles right triangle with hypotenuse length s: $Area = \frac{1}{4}s^2$ Area of a equilateral triangle with side length s: $Area = \frac{\sqrt{3}}{4}s^2$





















| Calculate the volume of the solid generated by rotating the region between | Math 104 – Rimmer 6.1 Volumes by Slicing |
|--|---|
| the curves $y = 4 - x^2$ and $y = 0$ about the <i>x</i> -axis. | |
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| Calculate the volume of the solid generated by rotating the region between | Math 104 – Rimmer 6.1 Volumes by Slicing |
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| the curves $y = \frac{1}{x-2}$ and $x = 2$, $y = \frac{1}{2}$, and $y = 4$ about the line $x = -4$ | |
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| | Math 104 – Rimmer 6.1 Volumes by Slicing |
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| Calculate the volume of the solid generated by rotating the region between | |
| the curves $y = 4 - x^2$ and $y = 0$ about the line $y = -2$ | |
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| Calculate the volume of the colid generated by rotating the region between | Math 104 – Rimmer 6.1 Volumes by Slicing |

| Calculate the volume of the solid generated by rotating the region between | 6.1 Volumes by Slicing | |
|--|------------------------|--|
| the curves $y = \frac{x}{2}$ and $y = \sqrt{x}$ about the y-axis. | | |
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