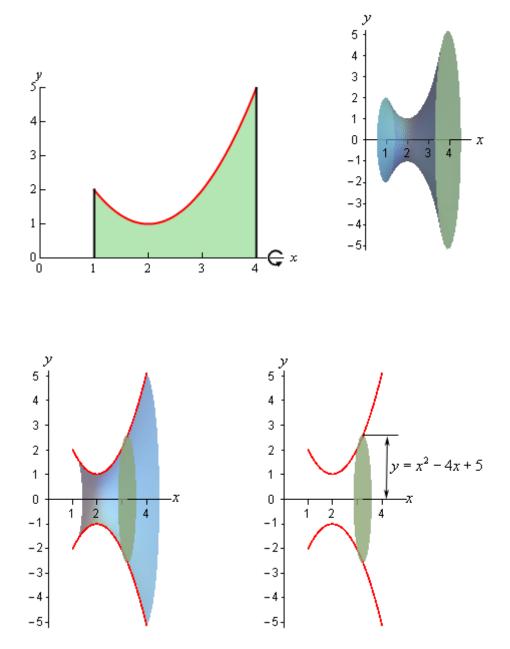
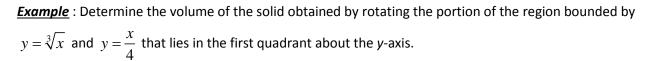
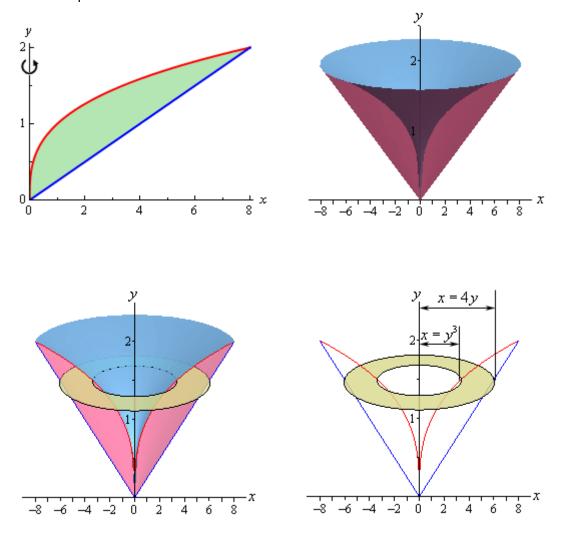
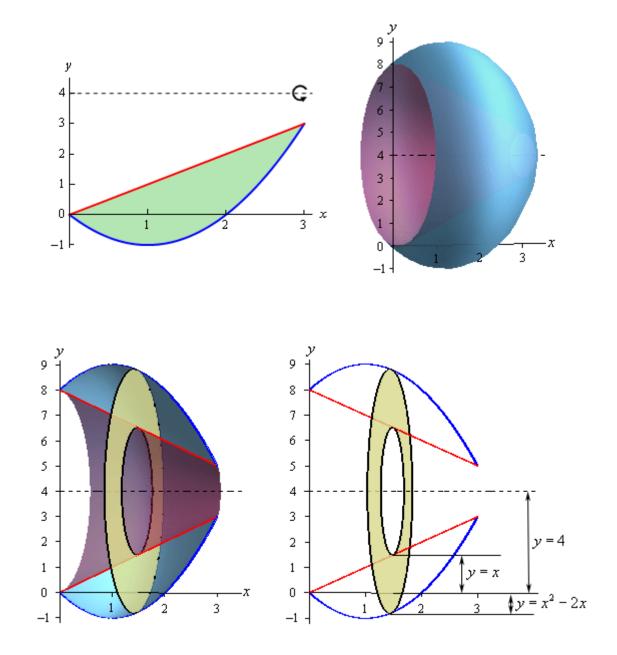
**Example** : Determine the volume of the solid obtained by rotating the region bounded by  $y = x^2 - 4x + 5$ , x = 1, x = 4, and the *x*-axis about the *x*-axis.









**Example** : Determine the volume of the solid obtained by rotating the region bounded by  $y = x^2 - 2x$ and y = x about the line y = 4.

**Example** : Determine the volume of the solid obtained by rotating the region bounded by  $y = 2\sqrt{x-1}$ and y = x-1 about the line x = -1.

