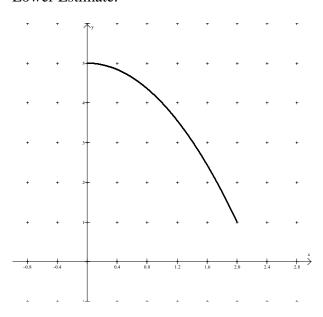
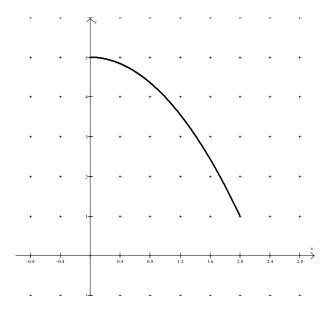
Area

Approximate the area between the x-axis and the curve $y = -x^2 + 5$ from x = 0 to x = 2. Divide the interval (0, 2) into 5 equal-width subintervals and approximate the area using rectangles that lie alternatively below and above the curve.

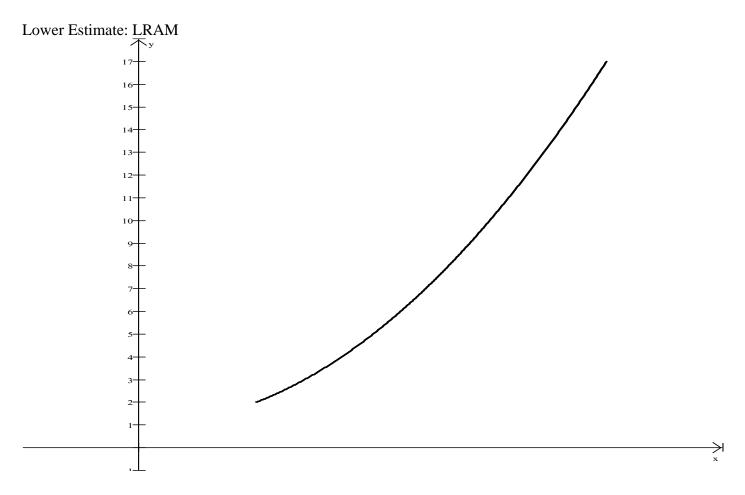
Lower Estimate:



Upper Estimate:



Find the area between the x-axis and the curve $y = x^2 + 1$ from x = 1 to x = 4. Divide the interval into n equal-width subintervals and approximate the area using rectangles that lie alternatively below and above the curve.



Find the area between the *x*-axis and the curve $y = x^2 + 1$ from x = 1 to x = 4. Divide the interval into *n* equal-width subintervals and approximate the area using rectangles that lie alternatively below and above the curve.

