

Calculus Area Under Curve Worksheet

Find the area under each curve on the indicated interval using 10 rectangles ($n=10$)

1. $y = \frac{1}{2}x^2 + 3$ [0,6]

2. $y = -3x^3 - 2x + 6$ [0,4]

3. $y = -2x^2 + 3$ [3,6]

4. $y = x^2 - x - 5$ [5,10]