

Calculus Classwork - Area Approximation

- 1) Find a left-hand approximation for $y = -2x^2 + 10$ on the interval $[0, 2]$ using 4 subintervals
- 2) Find a circumscribed approximation for $y = x^2 + 2$ on the interval $[0, 4]$ using 4 subintervals.
- 3) Find an inscribed approximation for $y = x^2 - 6x + 10$ on the interval $[0, 5]$ using 10 subintervals.
- 4) Find a right-hand approximation for $y = -3x^2 + 3$ on the interval $[0, 1]$ using 4 subintervals.