Name_____ ID: 1
## Ch 4 Hwk Simpson and Trapezoidal Estimations
Date_____ Period_____

**Simpson: For each problem, approximate the area under the curve over the given interval using n = 4.**

1) $y = -\dfrac{3}{x}$; $[-6, -2]$

2) $y = x + 4$; $[1, 5]$

**Trapezoidal: For each problem, approximate the area under the curve over the given interval using n = 4.**

3) $y = \dfrac{x^2}{2} + x + 1$; $[-3, 0]$

4) $y = -x^2 + 11$; $[-3, 3]$