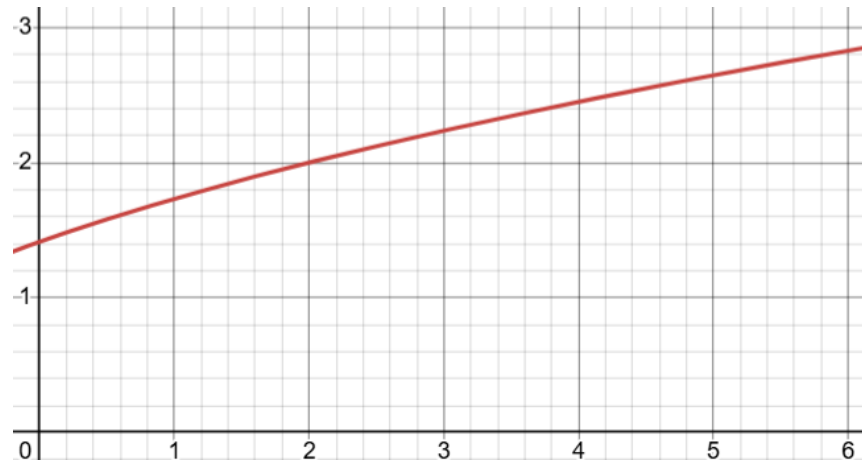


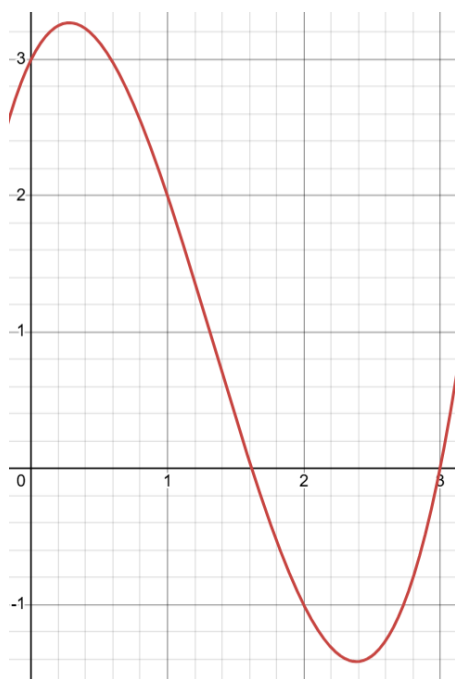
## Calculus I SI Worksheet

### Lesson 5.1 Area Under the Curve

1. Use RHR to estimate the area from 0-6 with 6 rectangles.



2. Use LHR to find the area from 0-3 with 9 rectangles.



3. Use midpoints to find the area from 0-5 using 10 rectangles for the function  $f(x) = x^2 - x$

4. Use RHR to find the area from 0-6 using 6 rectangles for the function  $f(x) = \sqrt{x + 2}$