

2024/13, 55, 59, 73, 75 a-c

$$43) \lim_{n \rightarrow \infty} \sum_{i=1}^n \left(1 + \frac{i}{n}\right) \left(\frac{2}{n}\right) = \lim_{n \rightarrow \infty} \frac{2}{n} \sum_{i=1}^n \left(1 + \frac{i}{n}\right)$$

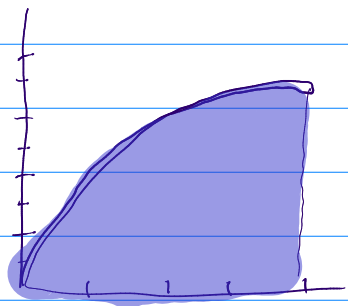
55) find the area between the graph and the x axis.

$$y = x^2 - x^3 \quad [-1, 1]$$

5a) find the area between the graph and the y axis.

7b) "Describe the methods of upper sums and lower sums in approximating the area of a region."

7c) $f(x) = \frac{2x}{x+1}$ from 0-4



$n=4$

a) lower sum (redraw figure $\frac{1}{4}$ find)

b) upper sum (redraw figure $\frac{1}{4}$ find)