

MATH 150

Today

1. Go over exam
2. 7.1 Addition and Accumulation

Goals:

1. Sigma notation (Understand the use of Sigma notation and the algebra around it)
2. Accumulation functions (Understand the “area so far” function)

Where is today’s material used?

1. Physics (distance traveled, mass of an object, volume of an object, total charge, ...)
2. Economics (interest, marginal revenue/cost/profit to change in revenue/cost/profit, the multiplier effect)
3. Chemistry (physical chemistry)

Addition and Accumulation

1. Accumulation functions (velocity to position)
2. Sigma notation and properties
3. Sums of small powers
4. Examples. p. 462: 21, 22, 23, 27, 25, 29, 31, 32, 34, 35, 36, 39, 40, 47

Next Time

1. 7.2: Riemann sums [20 min]