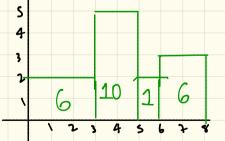
4.2 Area Between Curves Riemann Sums

Standards:	
MCI1	
MCI1b	

Old Area of Rectangles

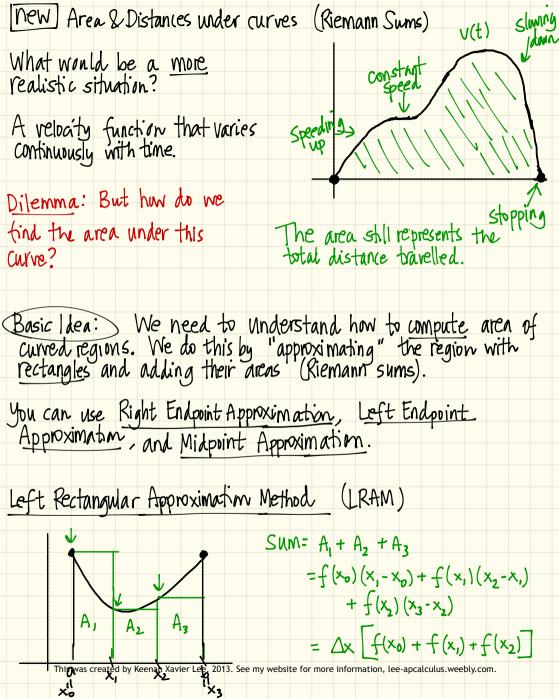
Conclusion The area of rectangles gives the total distance travelled.

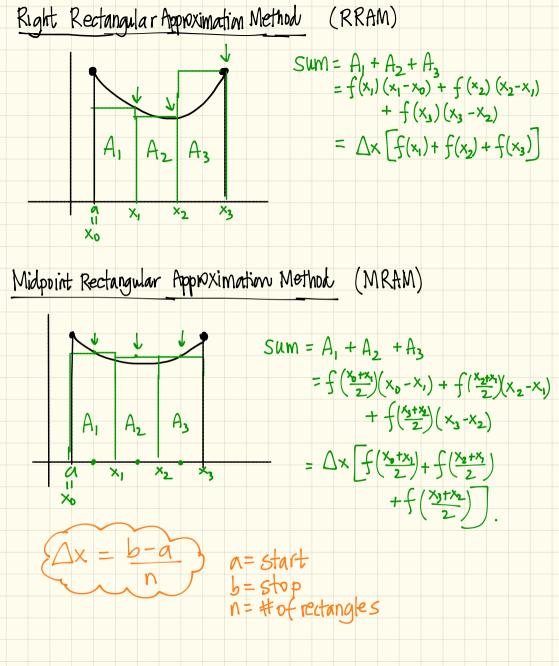
Let's consider a slightly realistic scenario:

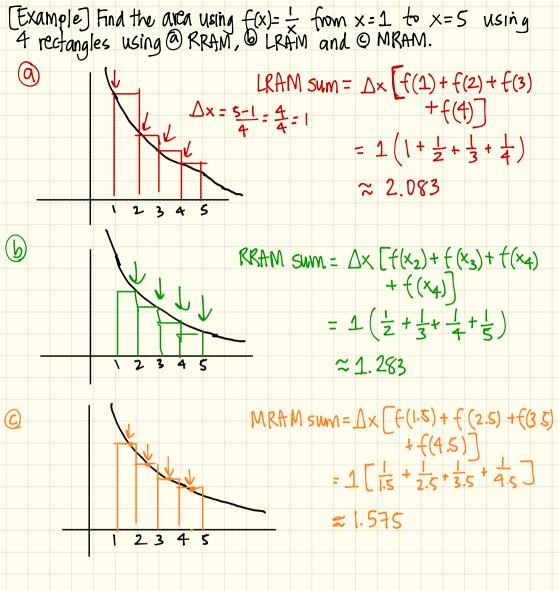


So the total distance travelled:

6 + 10 + 1 + 6 = 23 feet.

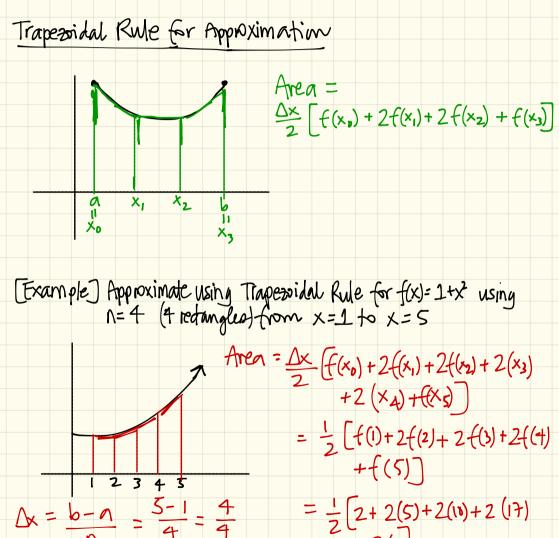






LRAIM is an averapproximation & RRAM is an under approximation.

[Note:] The more rectangles applied, the more areas being computed, and the accurate the approximation of the area under the curve will be.



This was created by Keenan Xavier Lee, 2013. See my website for more information, Jee appealculus.weebly.com.

= 46