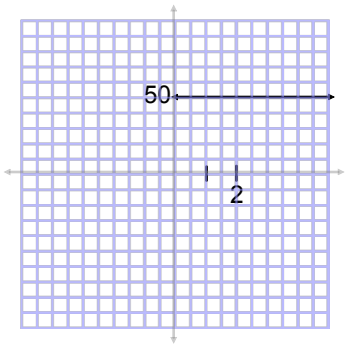
5.1a Estimating with finite Sums

Find the area under the curve:

if a car is driving 50 mph for 2 hrs, how far has it gone?



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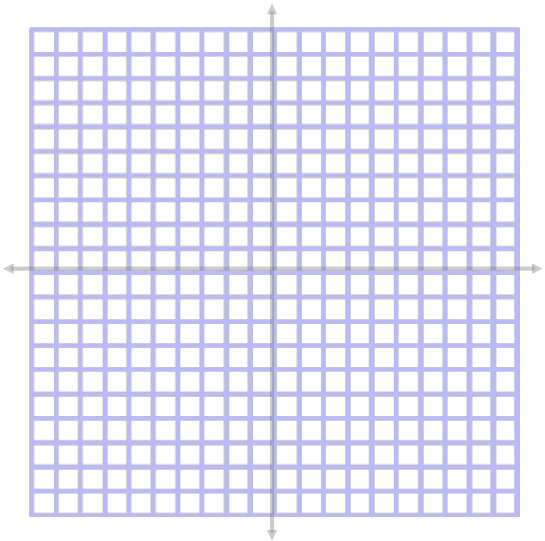
if a cars velocity is described by v(t)=3x+1, how far has it gone in 3 hours?



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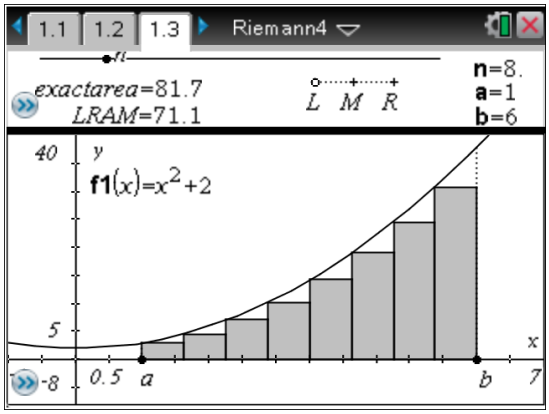
a cars velocity is described by $v(t) = x^2 + 2$

Find the area under the curve:



these are left hand rectangles! An equation for the sum:

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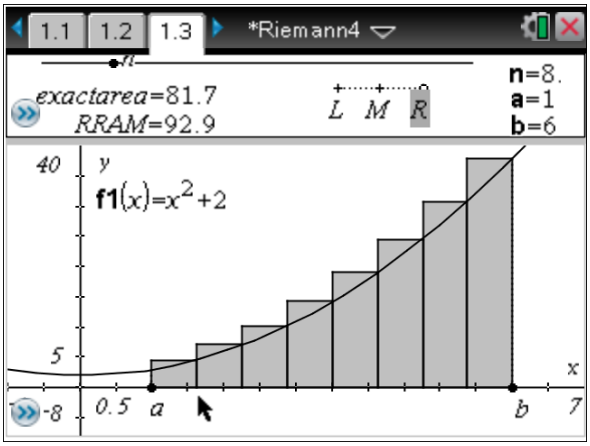
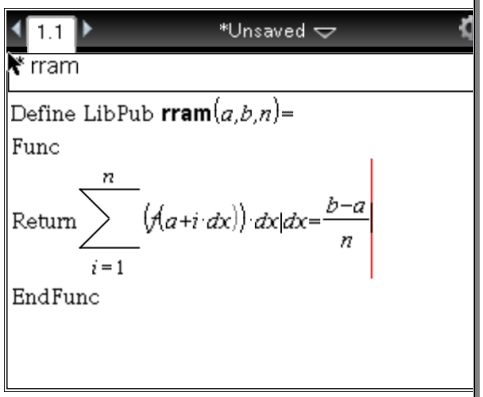
Find an equation for the sum of the right hand rectangles:





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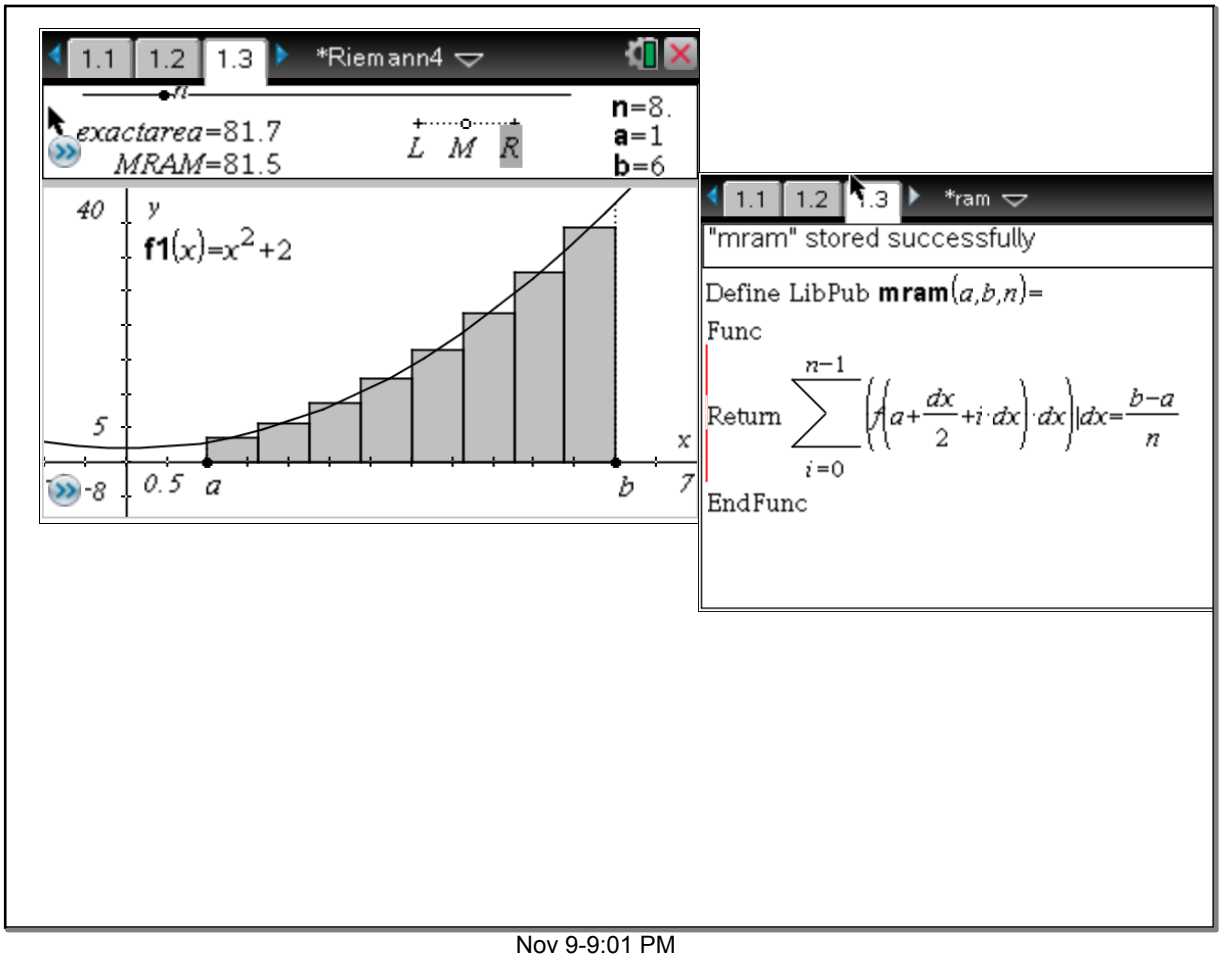

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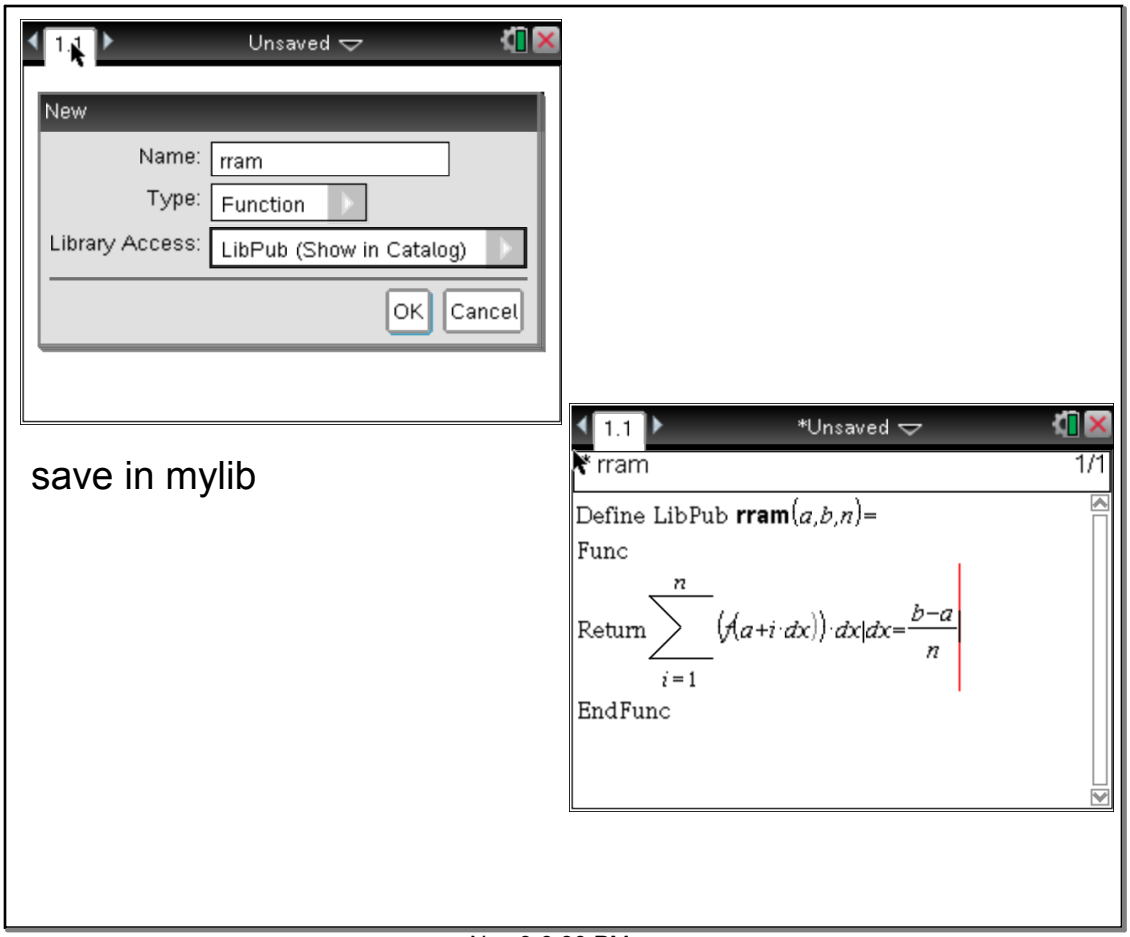

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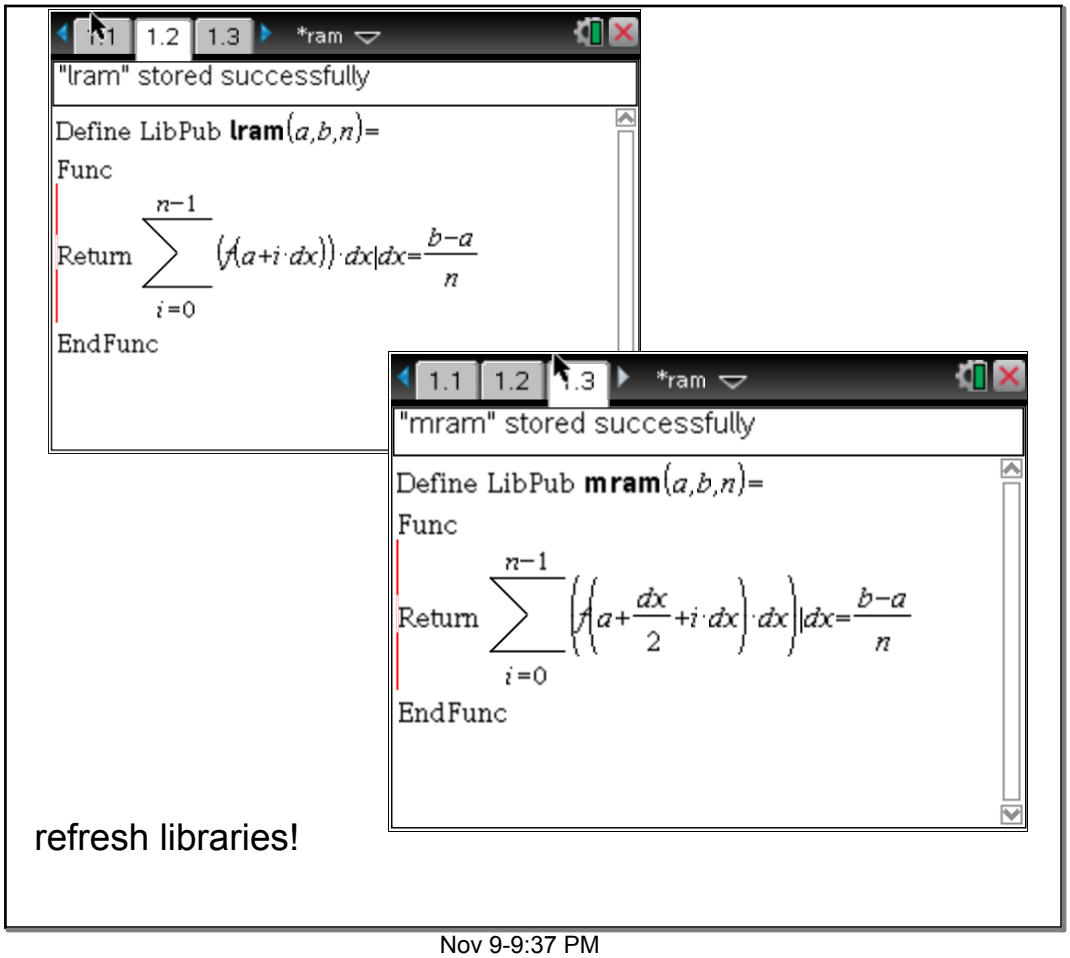

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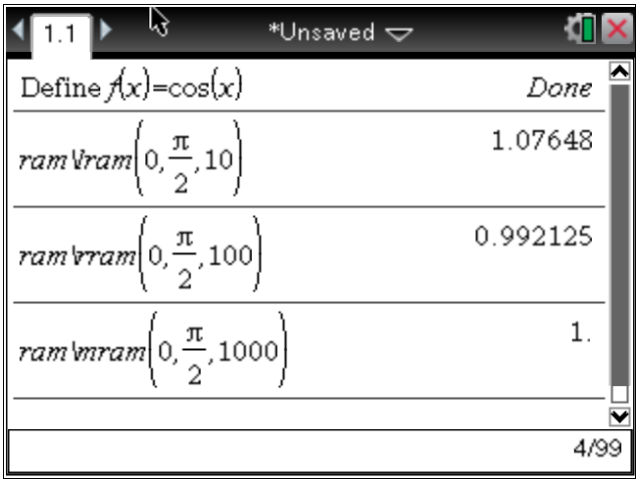

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