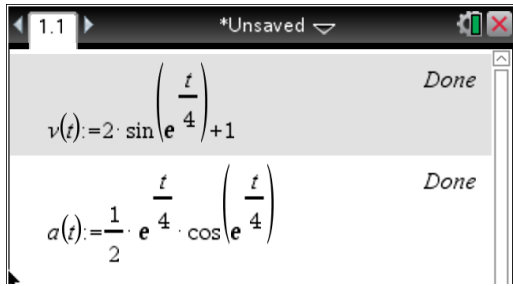
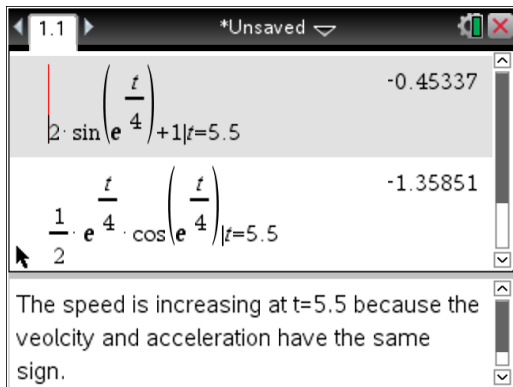


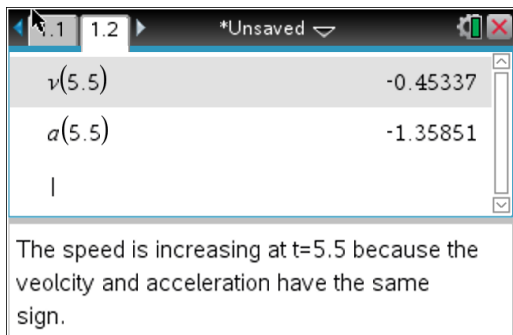
1) Make sure to use the NUMBER e and not the letter



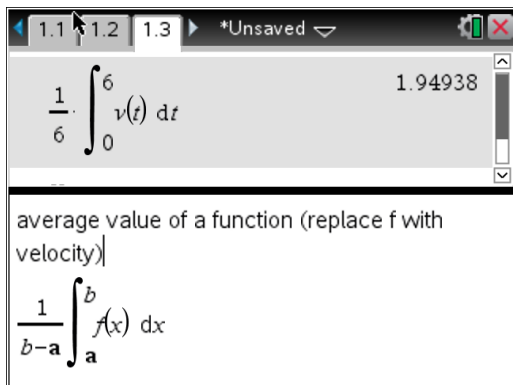
a. The | can be found using "ctrl ="



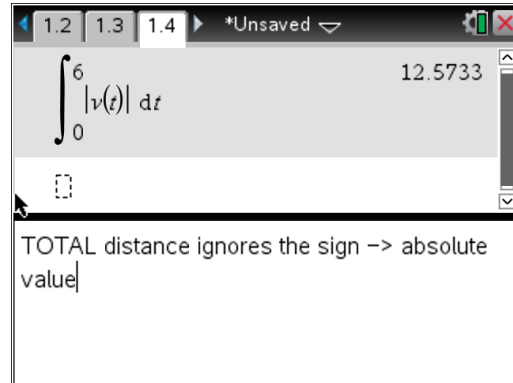
OR



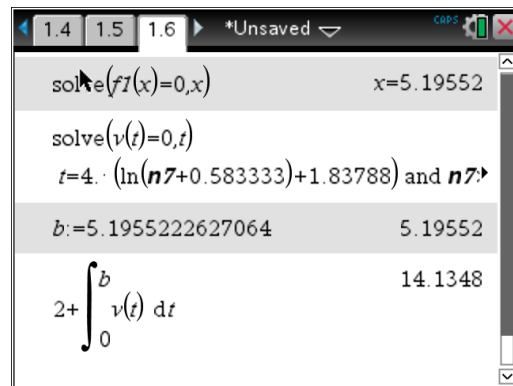
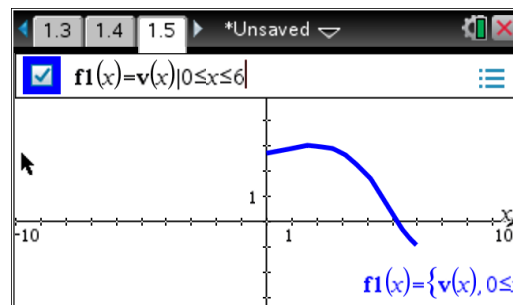
b.



c. Use the absolute value in the templates key



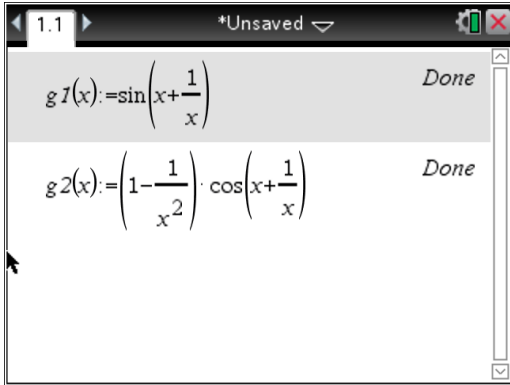
d.



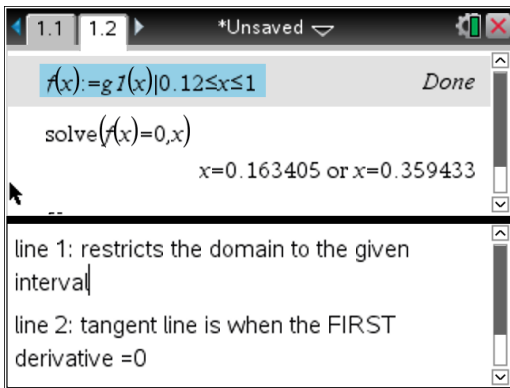
The first line shows the difference between using a restricted domain (line 1) and a non-restricted domain (line 2). The graph shows $v(t)$ changes from positive to negative velocity (i.e. traveling right to left). The last line represents the position

$$x(b) = \underbrace{x(2)}_{\text{start position}} + \underbrace{\int_0^b v(t) dt}_{\text{accumulated position}}$$

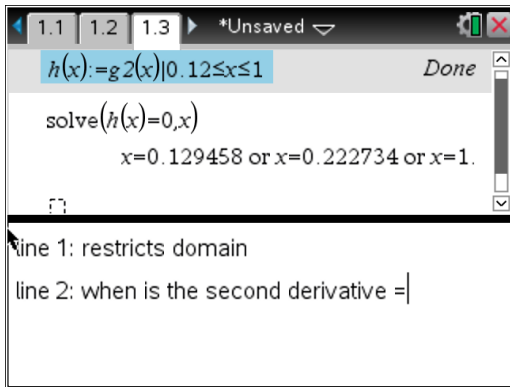
2)



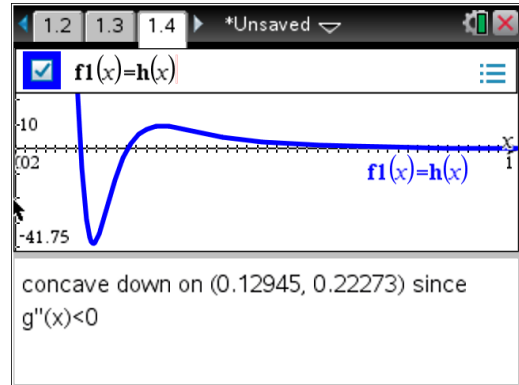
a.



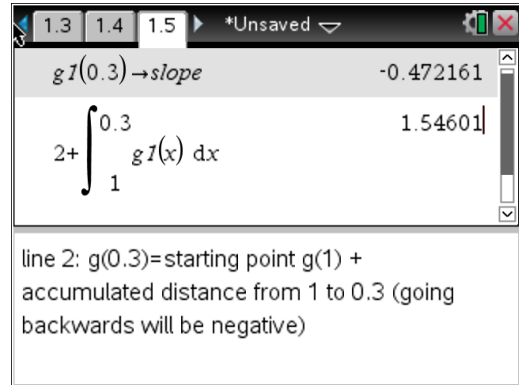
b.



Menu->zoom->window settings x goes from 0 to 1

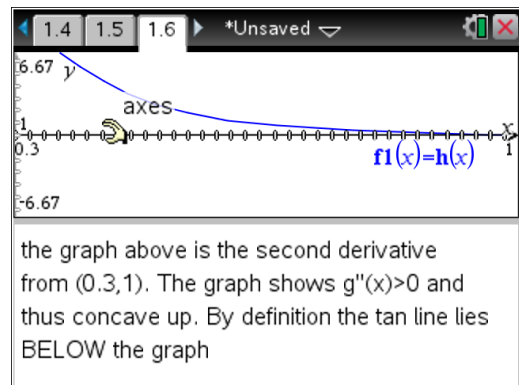


c. Tan line $y = f'(a)(x - a) + f(a)$

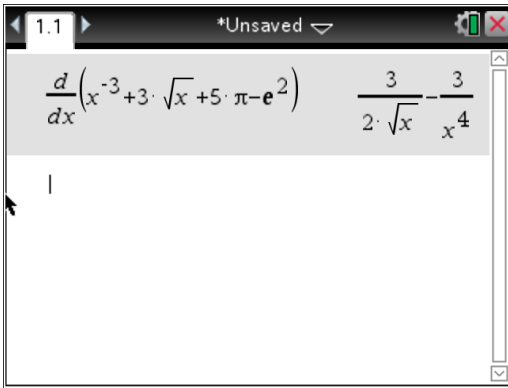


Tan line $y = -0.472(x - 0.3) + 1.546$

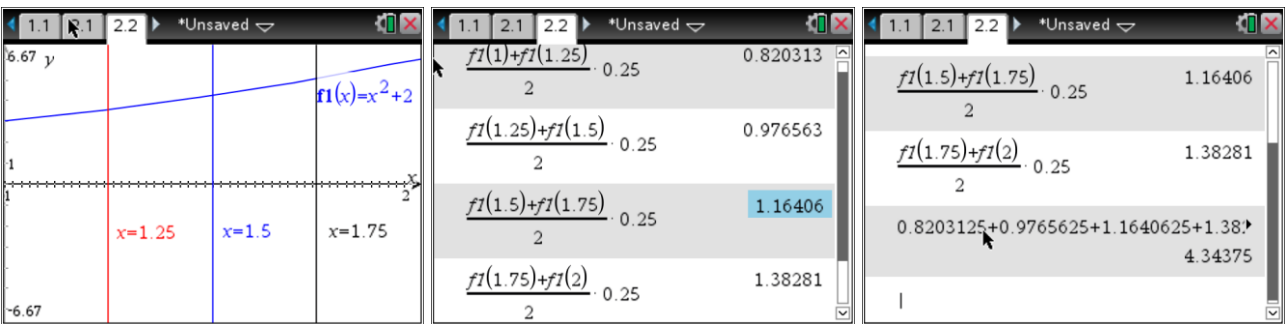
d.



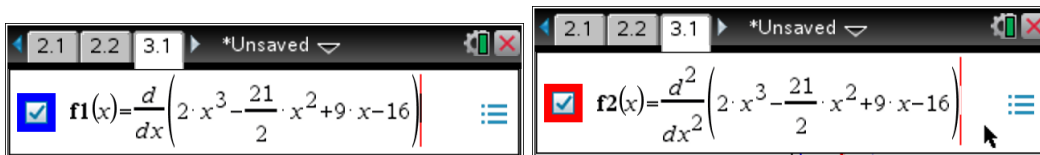
3)



4)



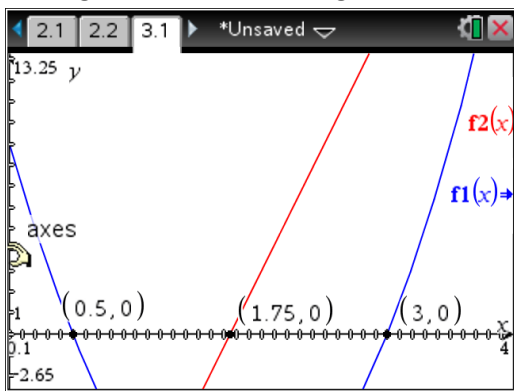
5)



Menu -> zoom -> window settings x from 0 to 4 since largest answer choice is 3)

Menu -> analyze graph -> zero click on the graph and an upper and lower bound to find the zeros

Slowing down is when the signs are DIFFERENT.



Opposite signs on $0 < t < \frac{1}{2}$ and $\frac{7}{4} < t < 3$