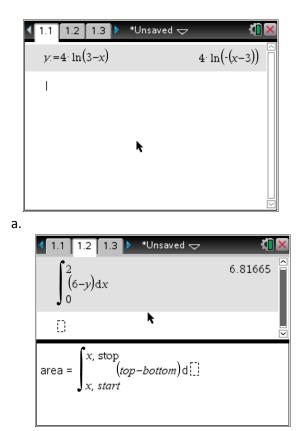
AP Calculus

Technology Tuesday #4 Calculator Solutions





Name:	
Date:	Per:

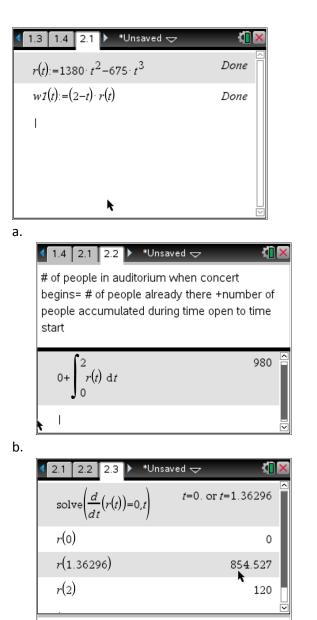
b.

c.

1.1 1.2 1.3 ▶ *Unsaved	<b>K</b> 11
r(x):=8- $y$	Done
$p_{i}\int_{0}^{2} (0^{2}-0^{2})_{dx}$	
1.1 1.2 1.3 ▶ *Unsaved	K 🛛 🔀
$\pi \cdot \int_{0}^{2} (r(x))^{2} - (8-6)^{2} dx$	168.18
168.17954	-
set up for washer since there are two	o radii
axis – function	
	I
<12 13 14 ▶ *Unsaved	21 N

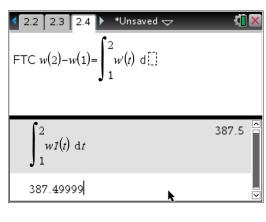
1.2 1.3 1.4 *Unsaved -	K 🛛 🗙
s(x) = 6 - y	Done
$\int_{0}^{2} 0^{2} dx$	I N
find the length of a side,	
the area of a square is the side square	qĬ
1.2 1.3 1.4 Vinsaved -	( <mark>1</mark> 🗙
$\int_{0}^{2} (s(x))^{2} dx $	6.2666
26.26660	

2)

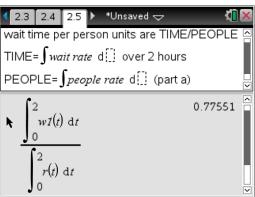


to find max, take derivative and set equal to 0

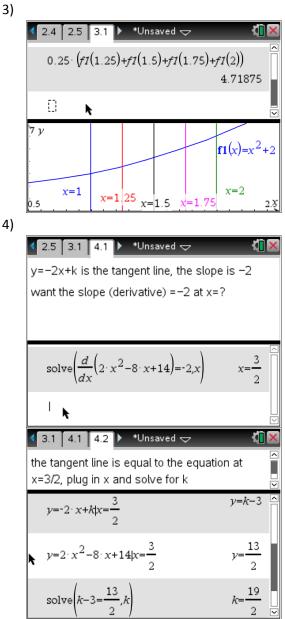
с.



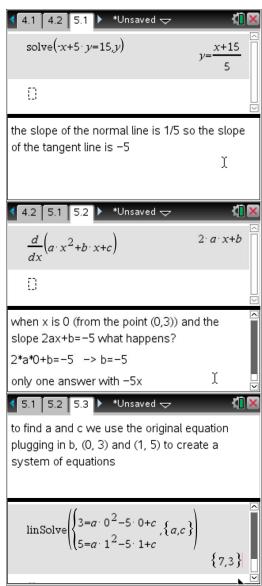
d.











to solve the linear system menu->algebra->solve systems->solve system of equations using 2 variables, a and c. for the first equation plug in (0, 3) and the second plug in (1, 5)