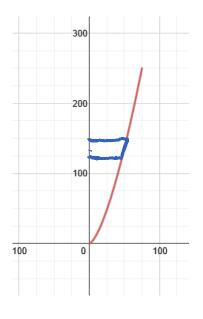
Homework Questions 4.4.2014
The provide Road

$$y = 2503 \pm y = 250 \pm -4.9 \pm^{2}$$

 $y = 250 \pm -4.9 \pm^{2}$
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 $\lambda = 30^{\circ}$, $V_{\circ} = 500 \text{ m/s}$
when bullet hits ground, $y = 0$
 $500 \left(\frac{1}{2}\right) \pm -4.9 \pm^{2} = 0$
 $t = ?$
 t_{\circ} get h-distance plag ? into $x = 50055 \pm x = 250055 \pm x = 2500555 \pm x = 2500555 \pm x = 2500555 \pm x = 2500555 \pm x = 25005555$



Desmos Graphing Calculator https://www.desmos.com/calculator Screen clipping taken: 4/4/2014 1:02 PM

 $S = 2\pi r ds$ $S = 2\pi \int r ds$ $= 2\pi \int_{3}^{5} t^{2} \sqrt{\left(\frac{dx}{dt}\right)^{2} t \left(\frac{dy}{dt}\right)^{2}} dt$ $= 2\pi \int_{-\infty}^{\infty} 3x^{2} \sqrt{(6t)^{2} + (6t^{2})^{2}} dt$ $= 2\pi \int_{3}^{5} 3t^{2} \sqrt{36t^{2}+36t^{4}} dt$ $= 2\pi \int^{5} 3t^{3} \sqrt{3(t^{*} \cdot (1+t^{*}))} dt$ $= 2\pi \int_{-1}^{5} 1(t+t^{2}) dt$ = $36\pi \int t^{3} \sqrt{1+t^{2}} dt$

3t2.6t

du= 2t dt

$$\frac{time-out}{\int x^3 \sqrt{u} \, du}{\int x}$$

$$\frac{1}{2} \int (u-1) \sqrt{u} \, du$$