Warm up (NO CALC)

If 
$$f(x) = e^{2x}(x^3 + 1)$$
, then  $f'(2) = g'$ :  $3x^2$ 

(A)  $6e^4$ 
(B)  $21e^4$ 
(C)  $24e^4$ 
(D)  $30e^4$ 

If  $f' = e^{2x}(x^3 + 1)$ , then  $f'(2) = g'$ :  $3x^2$ 
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$$\lim_{x \to 3} \frac{\tan(x-3)}{3e^{x-3} - x} \text{ is } \qquad \boxed{\bigcirc}$$
(A) 0 (B)  $\frac{1}{3}$  (C)  $\frac{1}{2}$  (D)

$$\begin{cases} \frac{f(x)}{5(x)} = 11 \\ \frac{f'(x)}{5(x)} = 11$$

Sin (1) = 0 = 0

Wed Mar 29 - Volumes by cross section Fri Mar 31 - Reviewing Volume, starting Diff Eq

Q4 day by day

<sup>\*</sup>Mon Apr 3 - Assess on Volume ★

Wed Apr 5 - Slope fields, Separable diff eq

Fri Apr 7 - More on diff eq

\*\*Saturday timed test??\*\*

Mon Apr 10 - Assess on diff eq

Wed Apr 12 - timed AP test (all will take)

Mon Apr 17 (B) - review presentations

Wed Apr 19 - review presentations

Fri Apr 21 - Motion, revisited

Mon Apr 24 - AP test

Wed Apr 26 - AP test

Fri Apr 28 - AP test/Proj Due

Review Presentations: info will be handed out Wednesday

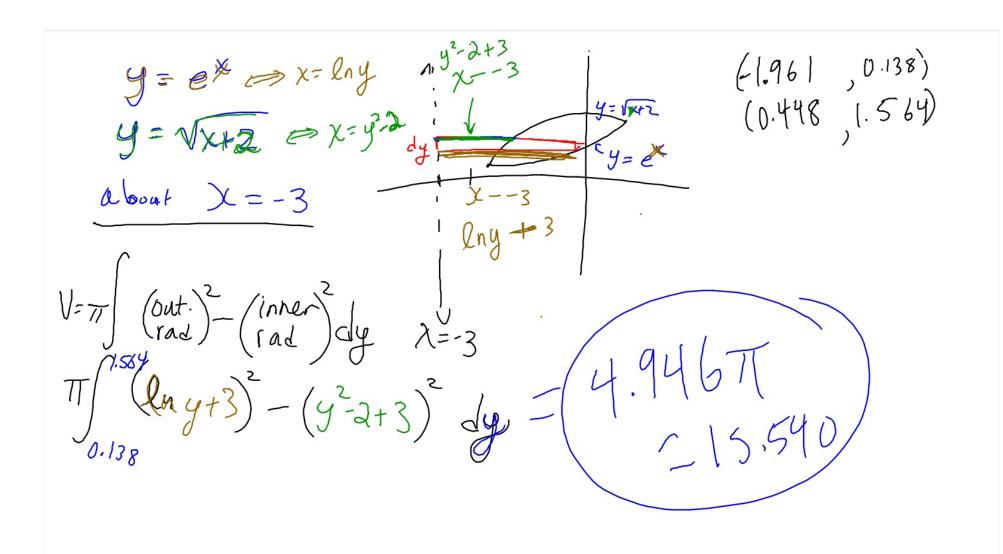
10 minute presentations on topic, work thru example(s) and give practice problems to do with answers.

Product is a presentation + handout

non-testers: Roller Coaster project handed out Wed April 12

testers: homework after April 10 will be combination of pages in workbook and self-timed FRQs

Volume by Revolution, revisited  $\pi \int_{Q}^{Q} (f - b)^{2} - (g - b)^{2} dx$   $\pi \int_{C}^{Q} (f - m)^{2} - (g - m)^{2} dy$  x = m = 1 x



## Homework:

Work on multiple choice packet, due Monday (will have other hw between now and then so chop chop!)