**Mr. Visca’s: Calculus**

**Chpt 5 – Day 3.5: Integrate w U-Substitution**

**Integrate by U-Substitution**

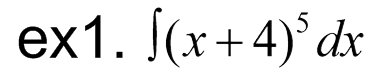
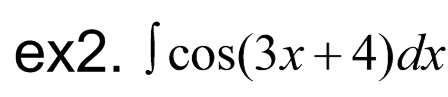
1. set appropriate expression = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

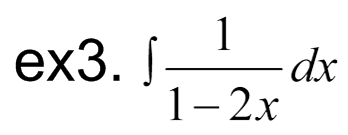
2. find \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and solve it for dx  
3. substitute both \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into integral and solve with u

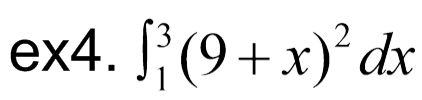
4. don't forget to put \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ back in for u

OR

do \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (w upper and lower bounds)

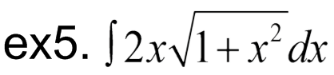


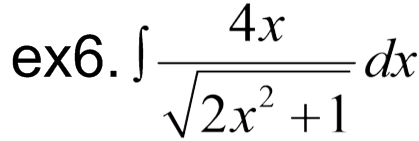
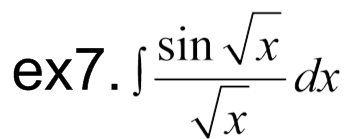




***WHAT!?!? This looks way to complicated!!!***

RELAX...the help to you seek is literally right in front of your face...no not, me. It's in the problem.





**HOMEWORK:**

5-3.5 U substitution worksheet