PREVIEW

Exam 2

INTEGRATION BY PARTS	TRIG INTEGRALS	TRIG SUB	PARTIAL FRACTIONS	APPROX INTEGRATION	RANDOM
$\int udv = uv - \int vdu$	1-sin^2(x)	x=asin(θ)	A/x-5 + B/x+3	Midpoint, Trapezoid, Simpson	One Direction
LIPET or LIATE	1/tan(x) OR cos(x)/sin(x)	x=asec(θ)	3ln|x-5|+2ln|x+3|+C	(b-a)/n	Hawkins, IN
u=x, dv=e^xdx du=dx, v=e^x	Make cos^3 even!	x=4tan(θ)	ln|x|-2ln|x-2|-2/x-2 +C	3.7070	Taylor Lautner
xsin(x) + cos(x) + C	2tan(z)-7(-u^-1 - u)+C	1/3 ln|\sqrt(9(x-2)^2+1)+3(x-2)|+C	A=2 B=6 C=-2	-2.4300	Nick, Joe, & Kevin
-4/3xsin(2-3x)+4/9cos(2-3x)+C	2/315(8+13\sqrt(2))	1/2\sqrt(7) [sin^-1(\sqrt(7)w)+\sqrt(7)w\sqrt(1-7w^...	w^2/2+2/9ln|w|-83/18ln|w^2+9|+(	.3715	Jack (the pumpkin king)