SI Session: Week of February 25th
Tuesdays 5:30 – 7:30 PM, Rm. 1130
Wednesdays 4:20 – 6:20 PM. Rm. 1229

Prof. Stockton : Calculus II : Spring 2008
SI Leader : Neil Jody

1. $\int e^x \cos(2x)\, dx$

2. $\int \sin(-4x)\cos(3x)\, dx$

3. $\int \frac{\sqrt{4x^2+9}}{x^4}\,dx$

4. $\int \frac{x^3-x+3}{x^2+x-2}\,dx$

5. $\int_0^2 e^{-x}\cos(x)\,dx$

6. $\int \frac{\sin^2(x)-\cos^2(x)}{\cos(x)}\,dx$

7. $\int \frac{1}{\left(x^2+3\right)^{3/2}}\,dx$

8. $\int \frac{x+2}{x^2-4x}\,dx$

9. $\int_{-\pi}^{\pi} \sin(3\theta)\cos(\theta)\,d\theta$

10. $\int \frac{2x-3}{(x-1)^2}\,dx$

11. $\int \frac{x^2 - 4x + 7}{x^3 - x^2 + x + 3}\, dx$

12. $\int \frac{1}{\sec(x)\tan(x)}\, dx$

13. $\int x \arcsin(x)\, dx$

14. $\int_0^{\sqrt{3}/2} \frac{1}{(1-t^2)^{5/2}}\, dt$

15. $\int \frac{x^2 + x + 3}{x^4 + 6x^2 + 9} dx$

16. $\int \frac{x}{x^2 - 6x + 5} dx$

17. $\int_{1}^{5} \frac{x-1}{x^2(x+1)}\,dx$

18. $\int \frac{3\cos(x)}{\sin^2(x)+\sin(x)-2}\,dx$