



Listado 8
Soluciones
Cálculo III (521227)

I.

1. 57.

5. $\frac{\sqrt{3}}{4}$.

8. $\frac{4}{135}$.

2. $-\frac{5}{6}$

6. $\frac{8}{15}$.

9. $\frac{1}{3}(1 - \cos 8)$

3. $e^4 - 1$.

4. 16.

7. $1 - \frac{e}{2}$.

II.

1. $\frac{32}{3}$.

2. $\frac{7}{5}\sqrt{3} + \frac{19}{12}$.

3. $\int_1^4 \int_{\sqrt{y}}^y f(x, y) dy dx + \int_4^8 \int_2^y f(x, y) dy dx$.

4. $-\frac{68}{3}$.

5. 16π .

6. $1 - \sin 1$.