Matemática 4
Tercer Parcial

Apellidos:
Nombres:
ci:

1. Resolver
   - $\tan^2(x+y)dx - dy = 0$
   - $(2 + 2x^2y^{1/2})ydx + (x^2y^{1/2} + 2)xdy = 0$
2. Resolver
$$y\ln(y)dx + (x - \ln(y))dy = 0$$
3. Resolver
$$\frac{dy}{dx} + y = y^2(\cos(x) - \sin(x))$$
4. Resolver
$$y\frac{dy}{dx} = \cos(x)(2\cos(y) - \sin^2(x))$$

NOTA $\sin(x) = sen(x)$