Quiz 1

Math 230, Spring '99

1. Find the solution $y(t)$ of the differential equation $y' - \dfrac{y}{t} = te^t$ that satisfies
the initial condition $y(1) = 2e$.

Extra Credit (2 points): Direction fields for two differential equations are
shown on the back of this page. One of the two corresponds to a *linear*
differential equation. Which one is it, and (briefly) why?