What is the best statement that you can make about the existence and uniqueness of the solution of the following initial value problems? (a) $y' = \sin(ty) + 1/t$, y(1) = 2

(b)
$$y' + (1/(1-t^2))y = e^t$$
, $y(0) = 1$.

(c) y'' + (1/(2-t))y' + 4y = |t|, y(0) = 2, y'(0) = 3.