

DIFFERENTIAL EQUATIONS

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Name: _____

Find the solution of the differential equation that satisfies the given initial condition.

1. $y' = xe^y, y(0) = 0.$

2. $y' = \frac{x \sin(x)}{y}, y(0) = -1.$

3. $P' = \sqrt{Pt}$, $P(1) = 2$.

4. $y' = -x/y$, $y(0) = 3$.