

## MATH 286 PROBLEMS DUE JANUARY 10, 2001

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1. Solve the differential equation

$$\frac{dy}{dt} = y + 4, \quad y(0) = y_0$$

and draw its integral curves.

2. Solve the differential equation

$$\frac{dy}{dt} = -2y - 3, \quad y(0) = y_0$$

and draw its integral curves.