

Name: _____ Sort #: _____

Worksheet 3: Integrating Factors & Separable Eqns II

MATH 2310, Spring 2019

Grade: _____ / 40

1. (20 pts) Solve the ODE

$$2y' + y = 3t$$

2. (20 pts) Solve the ODE

$$y' = \frac{2x}{y + x^2y}$$