

**Worksheet 3 Solutions**  
**Integrating Factors & Separable Eqns II**

MATH 2310, Spring 2019

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1. (20 pts) Solve the ODE

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

**Solution:**

2. (20 pts) Solve the ODE

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

**Solution:**

