

Name: \_\_\_\_\_

MATH 101

Spring 2024

HW 15: Due 04/08

*“Sometimes I think I have felt everything I’m ever gonna feel. And from here on out, I’m not gonna feel anything new. Just lesser versions of what I’ve already felt.”*

— Theodore Twombly, *Her*

**Problem 1.** (10pts) Solve the following system of equations:

$$2x + y = 1$$

$$3x - y = -11$$

**Problem 2.** (10pts) Solve the following system of equations:

$$\begin{cases} 4x + 6y = 6 \\ 5x + 2y = 13 \end{cases}$$