

**MATH 305**  
**Lab 1, Part 3**  
**Direction field homework**  
**Selected answers**

The following are my answers. Decimal place accuracy was achieved with the zoom feature in Dfield.

5)  $y \rightarrow \approx 2.6666$

6)  $y \rightarrow \approx .2$

7)  $y \rightarrow \approx .0158$

8)  $y \rightarrow -2$  or  $y \rightarrow 0$  or  $y \rightarrow 2$  (depending upon initial condition)

9.2)  $t \approx 2.019$

9.3)  $L \approx .03836$  and  $t \approx 5.285$

10)  $t \approx .7295$