

Math 3280 Worksheet 31: first-order systems

Group members (2 to 4): \_\_\_\_\_

- (1) Solve the initial value problem  $x_1' = 6x_1 - 7x_2$ ,  $x_2' = x_1 - 2x_2$ ,  $x_1(0) = 4$ ,  
 $x_2(0) = 1$ .