Worksheet $7/02$ MAP 2302 - Summer B 2018	Group nr	Names:	· · · · · · · · · · · · · · · · · · ·	
To receive credit you MUST SHOW ALI work will not be considered.	L YOUR WORK.	Answers which	are not supported by	
1. (Pb. 2 p. 132 text) Given that $y = x + 1$ is a solution of				
 $(x+1)^2y'' - 3(x+1)y' + 3y = 0,$				

find a linearly independent solution by reducing the order. Write the general solution.

2. (Pb. 2, p. 143 text) Find the general solution for y'' - 2y' - 3y = 0.

3. (Pb. 44, p. 144 text) Solve the IVP 9y'' - 6y' + y = 0, y(0) = 3, y'(0) = -1.

4. Find the general solution for y''' - 2y'' + 4y' - 8y = 0.