INTRODUCTION TO COMPOSITES -- MFG555

Fall 2011 – Exam 2

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All problems have the same value, alth	ough some problems may have several parts.
polyester composites and the company from spray-up to resin infusion. You ha VARTM method and have found that so	s making shells for snow mobiles out of fiberglass and has just decided to change their manufacturing process we just started up the resin infusion process using the everal places in the preform have not been fully wetted. sponding solutions for the problem and in both cases list with each solution.
Solution 1	

Solution 2

2. unique a)	Identify in two or three sentences or appropriate diagrams and with sufficient detail to ely characterize the following terms: Nomex honeycomb
b)	scarf joint
c)	bleeder layer
d)	fiber tow
a)	BMC

3.	You work for an automotive company that is using compression molding to make body
panels.	You have been tasked with the job of reducing the molding time. Suggest and explain
(justify) two methods in which you might accomplish this task and with each method suggest
two neg	gatives that might have to be overcome.
Soltutio	on 1

Solution 2

4. Give three reasons why vacuum bagging is almost always required for prepreg manufacturing but is rarely used for wet layup.