3.3a $F = (a+b)(\neg a+c)$

3.3b $F = \neg ((a+b)(\neg a+c))$
Since this is just the complement of 3.3a, we better get something that looks familiar!

3.3c $F = \neg (a+b) \neg (a+c)$
This one is a trick question (sorry – I didn’t realize it when I assigned it). Apply De Morgan’s, and $F = 0$