

Wilson-269xxxxx  
August 31, 2016

PH 295 Professor Mark van der Laan  
Homework 1

**Question 1.**

(i)

**Proof: (sufficiency)**

**Proof: (completeness)**

(ii)

(iii)

**Question 2.**

(i)

(ii)

(iii)

(iv)

(v)

(vi)

(vii)

**Question 3.**

(i)

(ii)

(iii)

**Question 4.**

(i)

(ii)

(iii)