Ch3, Q3

Y = Starting salary after graduation (\$1000)

$$Y = 50 + 20xGPA + 0.07xIQ + 35xGender + 0.01(GPA x IQ) - 10(GPAxGender)$$

За

- i. Males earn more? False
- ii. Females earn more? True
- iii. Males earn more if GPA sufficiently large?
- iv. Females earn more if GPA sufficiently large?

3b

$$Y = 50 + 20x4 + 0.07x110 + 35x1 + 0.01(4x110) - 10(4x1)$$
  
= 137.1

3c. Since  $\beta4$ , is so small (GPA/IQ) there's very little evidence of an interaction effect? T/F?

By