Math 215: Introduction to Advanced Mathematics Problem Set 3

Due Friday September 22

Do pg. 54: 7, 11

1) a) Prove that ab > 0 if and only if

[(a > 0 and b > 0) or (a < 0 and b < 0)].

b) Prove that $x^2 - x - 2 > 0$ if and only if (x < -1 or x > 2).