Chapter 4 HW

D & intesers m and n, if Em+n is odd then m and n are both odd

Disproof los counterexample:

I integers m and n such that 2m + n is odd, and m and n are not both odd let m=2, n=1

2m+n is odd but m is even, this disproves the original statement. Q.E.D

O Y irrational numbers a and b, a times b is irrational

Disproof by counter example:

3 irrational numbers a and b such that a times b is not irrational

both a and b are irrational numbers, but their product is a rational number. Q.E.D