() If a E IL and thre ckists m E IL with a = 10 m, then There exists mEZL with a=5m. The field to make a whole the little straight a con-We can putite this stellement as " A "For all act, It there exists met with a = 10m, Then there exists, METE WITH as Sm. " B Atting the betinition of Contlatosing weget "For evatz if Not (there exists in 62 with a=5m), then Not (There exists m&Z with a>10m)," Which becomes! "For an aETL, if for all moz we have that at 5 m, then for all m& I we have that a \$ 10m." This last statement is the contrapositive of the Statement given. IM my original Scan I realized that I had topoporten to write The converse Statements The are Nisted hare The converse is simply The negation of the contra positive. (1) For all a 6 1/2, if 4a > 7, then a 22 b) Foran X, Y G/R, ir x2+x252, ten x4+x1-1 C) For all at Z, if there exists m6% with a=5m, then there exists m6% with a=10m For an exist to K + 723, the 1917 y 1 PAGE 2 OF 2 FOR ROBLEM 1