The hypotomese of a right angled translet denotes as a , and the other two sides are denoted so a and b. If the possible error of measuring each of a and b a + 15%, find the measurem possible error in calabiting : Cattle area of the triangle and (b) the length of the hypotenuse solution Area= Yob. h = 6.6.9 - ba/2 84-24.80 + DA . 86 = b , 15 a + a , 15 , b +1,5% [3/2 : 10006 = 36/200 bla [+ 86/200] + a/2 [+ 3 a/200]. = + 8.6/2 (3/200 + 3/00). = + A [3/100] DA = +3 %. C= No2+62 + a+6 15 de/ = y (++0) 16. 2 (dy x du/da) = U[a2+62] dy = 11-12/

