Question 6 2010 HSC Mathematics **Band 1/2** Sample 1 Start here for Question Number: 6 x) = (x+2)(x+4))= n = 2+7 V= 2+4 X W' = 1 25 thu ->++7+ 1) +x+2(25c) < x2+4(= x+4 + x+4 x $=x^2 + 5x +$ × = (x+4) (x+1 ks y=0 f((x)(x+4)(x+1)=0 x=1-4 Q oncaredown > 7 CO to determine nature of '=0 411 < 8 15=0 SE-CC faxer when x = hen X = 411=2(-1)+5 -8+ = -7+5--34 3 Minimum Cancare n for X=-Macimum For x = -4 since since 3CO: canal down.

Question 6 2010 HSC Mathematics **Band 1/2** ample-(x+2) x+8x+16 4=1 + 82+16)+2(x+82+16) +16372785 82 +16×17++ 1×12 5×8+850 r = 5cmL = 9cmCPOQ = 10 9=50 0 = 1 2 radians = 324 is congrment to DOQT GYT opposite anges are equa side bisel at night argues opposite Wen Share common angle Same sides paard OR fadius censtant e Congreent iii -> 8cm 0=145+97) H = K v'IV Additional writing space on back page