QI. BY FACTORISING LHS, SHOW THAT a)  $\left(\frac{x+y}{2}\right)^2 - \left(\frac{x-y}{2}\right)^2 = xy$ b) Use a) To Show Try & x+y Q2. SHOW THAT THE PRODUCT OF 4 CONSECUTIVE INTEGERS IS 1 LESS THAN A PERFECT SQUARE. 3. SKETCH f(x) = x3 + Ax2 + B a) IF A >0, 13 >0 b) IF A<0, B>0 c) Snow That IF x + b = 0 HAS 3 SOLUTIONS THEN 276 + 4036 <0

Q. Fino AL Pairs OF Positive

The Gers For which

(u+v) = U3 + V3