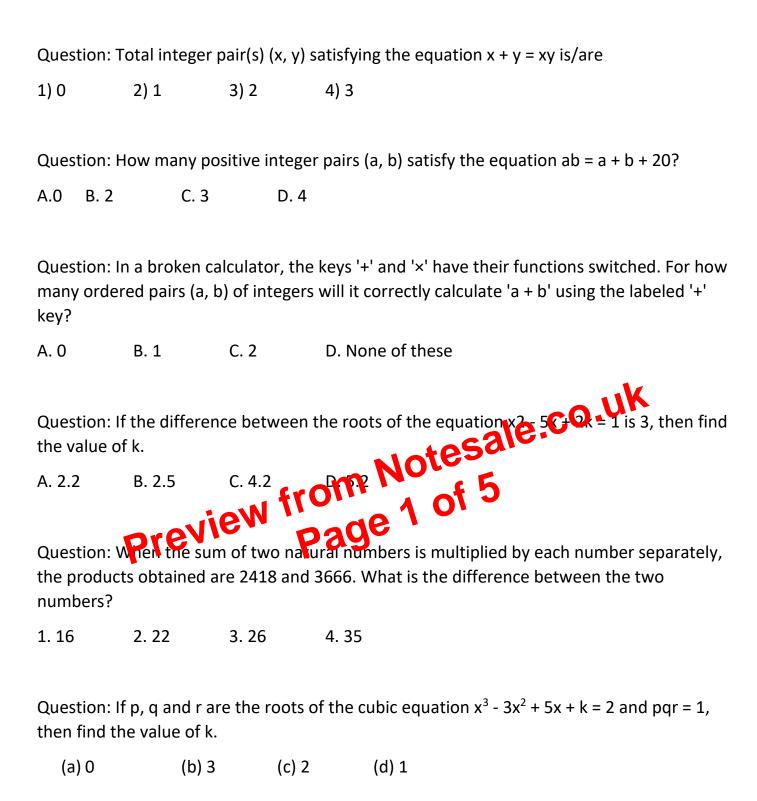
## **CAT workshop- Algebra- Part 1**



Question: If the polynomial  $ax^4 + bx^3 + cx^2 + dx + e$  has the property that the product of its roots is  $1/3^{rd}$  of the sum taking two roots at a time, then find the relationship between e and c.