

SCIENCE

Subject : Mathematics

Date: 16/04/2020

MATHEMATICS

B. G. L. FIND THE COEFFICIENT OF X99 IN THE POLYNOMIAL (X-1) (X-2)

Hint (x-2) (x-3) $= (x^2 - 2x - x + 1.2) (x-3)$ $= \{x^2 - (1+2)x + 1.2\}(x-3)$ $= x^3 - 3x^2 - (1+2)x^2 + 3(1+2)x$ $= x^3 - (1+2+3)x^2 + (1.2+2.3+3.1)x$ (x-1)(x-2)(x-3)-(x-n)COFFFICIENT OF XN-1 = - (1+2+3+ + +n)

2. IF 2+1/3 IS THE ROOT OF THE EQUATION 22+pz+9=0, psq.GIR FIND (BQ)

3. IF THE PRODUCT OF THE ROOTS OF THE EQUATION 22- 3KX + 2e 0g K-1=057 MOTE: FINDING THE VALUE OF K KEEP IN MIND THE DOMAIN OF LOGK. 4. FIND THE USOLUTION OF

1095 (1x+5 + 1x) = 0



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Home Assignment 5. (x+y) x = 1 FIND Se VOAND Y , FIND THE SUM OF THE RUOTS
OF THE EQUATION 1x-2|2+|x-2|-2=0 HINTS LET X-2=9. SOWING THE EQUATION KEEP IT IN MIND THAT 1A/50 7. IF X AND Y ARE POSITIVE REAL NUMBERS, M, n -ARE POSITIVE INTEGERS THEN (1+ x2n) (1+ y2m) > 7 TRUE OR FALSE. 8. OF (x2+px+1) 15 A FACTOR BETWEEN a, b, C. FIND THE RELATION SOLVE. 1 x + 1 - 1 x - 1 = 14x-1 FINDING VALUE OF X VERIFY THE EQUATION.