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Radiation Admission for Competitive Exams  
NSEJS / Talent Search / National-International Olympiads / Kishore Vaigyanik



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ANSWERS & SOLUTIONS

POLYNOMIALS

ZAKHEERA

The Question Bank



Sum 1.  $\frac{x^2 + x - 6}{x^3 - 3x^2 - 6x + 8}$

Sum 2.  $(x + y) (y + z) (z + x)$

Sum 3.  $\frac{8}{1 - x^8}$

Sum 4.  $\frac{3}{x}$

Sum 5. 2

Sum 6. Prove

Sum 7. 1

Sum 8. 0

Sum 9. -1

Sum 10.  $\frac{6}{7}$

Sum 11.  $\frac{22}{7}$

Sum 12.  $\frac{90}{7}$

Sum 13. (i)  $\frac{-b}{a}$  (ii)  $\frac{c}{a}$  (iii)  $\frac{b^2 - 2ac}{a^2}$  (iv)  $\sqrt{\frac{b^2 - 4ac}{a^2}}$  (v)  $\frac{-b^3 + 3abc}{a^3}$

Sum 14. Prove

Sum 15.  $\frac{65}{6}$

Sum 16. K=2

Sum 17. Prove

Sum 18. 1,4,7

Sum 19.  $2x^2 - 25x + 82$

Sum 20.  $\frac{1}{48}$

Q.No	Answers
1	3
2	1
3	1
4	4
5	1
6	1
7	2
8	4
9	1
10	1
11	1
12	1
13	4