

Sri Sai Tejaswi Academy
Worksheet 01 Maths 9th
9th Standard CBSE

Mathematics

Reg.No. :

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- 1) If -1 is a zero of the polynomial $p(x) = ax^3 - x^2 + x + 4$, find the value of a. 2
- 2) Divide $p(x)$ by $g(x)$ using long division method. where $p(x) = x + 3x^2 - 1$ and $g(x) = 1 + x$ 2
- 3) Find the remainder when the polynomial $p(y) = y^4 - 3y^2 + 7y - 10$ 2
and $(y-2)$.
- 4) Using remainder theorem find the remainder when $x^3 - 2x^2 - 4x + 3$ is divided by $x+1$ 2
- 5) Find the remainders when $3x^3 - 4x^2 + 7x - 5$ is divided by $(x-3)$ and $(x+3)$. 2
- 6) Find the remainder when $x^3 + 3x^2 + 3x + 1$ is divided by $x+1$ 3
- 7) Find the remainder when $x^3 + 3x^2 + 3x + 1$ is divided by $x - \frac{1}{2}$ 3
- 8) Find the remainder when $x^3 + 3x^2 + 3x + 1$ is divided by x 3
- 9) Find the remainder when $x^3 + 3x^2 + 3x + 1$ is divided by $x + \pi$ 3
- 10) Find the remainder when $x^3 - ax^2 + 6 - a$ is divided by $x - a$ 3
