

St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092

Session:2023-24

Worksheet

Class: VIII	Subject: Mathematics	Topic: Algebraic expression	Worksheet 10
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1.Simplify: $16m^3y^2 / 4m^2y$

2.Divide: $x + 2x^2 + 3x^4 - x^5$ by $2x$

3.Divide: $x^2 + 7x + 12$ by $x + 4$

4.Divide: $x^4 - x^3 + 5x$, $x - 1$

5.Divide : $9x^4 - 4x^2 + 4$ by $3x^2 - 4x + 2$

6. Find the area of a square with side $5x^2y$.

7. Calculate the area of a rectangle whose length and breadths are given as $3x^2y$ m and $5xy^2$ m respectively.

8.Simplify: $(x + y + z)(x + y - z)$

9.Simplify $7x^2(3x - 9) + 3$ and find its values for $x=4$ and $x=6$.

10. Add: $x + y + xy$, $x - z + yx$, and $z + x + xz$.

