



Division of Algebraic Expressions Ex 8.4 Q1

**Answer :**

$$\begin{array}{r} x^2 - 3x + 5 \\ 5x \overline{) 5x^3 - 15x^2 + 25x} \\ \underline{5x^3} \phantom{+ 25x} \\ -15x^2 + 25x \\ \underline{-15x^2} \phantom{+ 25x} \\ 25x \\ \underline{25x} \\ 0 \end{array}$$

Division of Algebraic Expressions Ex 8.4 Q2

**Answer :**

$$\begin{array}{r} -\frac{1}{2}z \overline{) \begin{array}{r} -8z^3 - 12z + 2 \\ 4z^3 + 6z^2 - z \\ \underline{4z^3} \\ 6z^2 - z \\ 6z^2 \\ \underline{-} \\ -z \\ -z \\ \underline{+} \\ 0 \end{array}} \end{array}$$

Division of Algebraic Expressions Ex 8.4 Q3

**Answer :**

$$\begin{array}{r} -\frac{3}{2}xy \overline{) \begin{array}{r} -6x + 4 - 8y \\ 9x^2y - 6xy + 12xy^2 \\ \underline{9x^2y} \\ -6xy + 12xy^2 \\ -6xy \\ \underline{+} \\ 12xy^2 \\ 12xy^2 \\ \underline{-} \\ 0 \end{array}} \end{array}$$

**Answer :**

$$\begin{array}{r}
 x^2y + \frac{2}{3}x + 5 \\
 3xy \overline{) 3x^3y^2 + 2x^2y + 15xy} \\
 \underline{3x^3y^2} \phantom{+ 2x^2y + 15xy} \\
 2x^2y + 15xy \\
 \underline{2x^2y} \phantom{+ 15xy} \\
 15xy \\
 \underline{15xy} \\
 0
 \end{array}$$

\*\*\*\*\* END \*\*\*\*\*