



Division of Algebraic Expressions Ex 8.4 Q9

**Answer :**

$$\begin{array}{r} 3x^2 + 5x - 7 \\ -8x + 3 \overline{) -24x^3 - 31x^2 + 71x - 21} \\ \underline{-24x^3 + 9x^2} \phantom{+ 71x - 21} \\ + \phantom{-} - \\ \hline -40x^2 + 71x - 21 \\ \underline{-40x^2 + 15x} \phantom{- 21} \\ + \phantom{-} - \\ \hline 56x - 21 \\ \underline{56x - 21} \\ - \phantom{+} + \\ \hline 0 \end{array}$$

Division of Algebraic Expressions Ex 8.4 Q10

**Answer :**

$$\begin{array}{r} 3y^2 + 3y + 2 \\ y^2 - 2y \overline{) 3y^4 + 3y^3 - 4y^2 - 4y} \\ \underline{3y^4 - 6y^3} \phantom{- 4y} \\ 3y^3 - 4y^2 - 4y \\ \underline{3y^3 - 6y^2} \phantom{- 4y} \\ 2y^2 - 4y \\ \underline{2y^2 - 4y} \\ 0 \end{array}$$

Division of Algebraic Expressions Ex 8.4 Q11

**Answer :**

$$\begin{array}{r} y^2 + 5y + 3 \\ 2y^3 + 1 \overline{) 2y^5 + 10y^4 + 6y^3 + y^2 + 5y + 3} \\ \underline{2y^5} \phantom{+ 10y^4} \phantom{+ 6y^3} \phantom{+ y^2} \phantom{+ 5y} \phantom{+ 3} \\ 10y^4 + 6y^3 + y^2 + 5y + 3 \\ \underline{10y^4} \phantom{+ 6y^3} \phantom{+ y^2} \phantom{+ 5y} \phantom{+ 3} \\ 6y^3 + 3 \\ \underline{6y^3 + 3} \\ 0 \end{array}$$

Division of Algebraic Expressions Ex 8.4 Q12

**Answer :**

$$\begin{array}{r} x^2 - 3x + 4 \\ x^2 + x + 1 \overline{) x^4 - 2x^3 + 2x^2 + x + 4} \\ \underline{x^4 + x^3 + x^2} \phantom{+ x + 4} \\ - 3x^3 + x^2 + x + 4 \\ \underline{- 3x^3 - 3x^2 - 3x} \phantom{+ 4} \\ 4x^2 + 4x + 4 \\ \underline{4x^2 + 4x + 4} \\ 0 \end{array}$$

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