Division of Algebraic Expressions Ex 8.4 Q5

Answer :

$$
\begin{array}{r}
x+3 \\
x+4\overline{)\,x^2+7x+12} \\
\underline{x^2+4x} \\
3x+12 \\
\underline{3x+12} \\
0
\end{array}
$$

Division of Algebraic Expressions Ex 8.4 Q6

Answer :

$$
\begin{array}{r}
2y+\frac{1}{2} \\
2y+1\overline{)\,4y^2+3y+\frac{1}{2}} \\
4y^2+2y \\
\hline
y+\frac{1}{2} \\
y+\frac{1}{2} \\
\hline
0
\end{array}
$$

Division of Algebraic Expressions Ex 8.4 Q7

Answer :

$$
\begin{array}{r|l}
 & 3x^2 - 2x + 9 \\
\hline
x + 2 & 3x^3 + 4x^2 + 5x + 18 \\
 & 3x^3 + 6x^2 \\
 & - \quad - \\
\hline
 & -2x^2 + 5x + 18 \\
 & -2x^2 - 4x \\
 & + \quad + \\
\hline
 & 9x + 18 \\
 & 9x + 18 \\
 & - \quad - \\
\hline
 & 0 \\
\hline
\end{array}
$$

Division of Algebraic Expressions Ex 8.4 Q8

Answer :

$$
\begin{array}{r|l}
 & 2x - 5 \\
\hline
7x - 9 & 14x^2 - 53x + 45x \\
 & 14x^2 - 18x \\
 & - \quad + \\
\hline
 & -35x^2 + 45x \\
 & -35x^2 + 45x \\
 & + \quad - \\
\hline
 & 0 \\
\hline
\end{array}
$$

********** END **********