Answer on Question #43010 – Math – Calculus

Divide using synthetic division, and write a summary statement in fraction form.

2x^5-x^4+3x^2-x+5/x-1

Solution.

$$
\begin{array}{r}
2x^4 + x^3 + x^2 + 4x + 3 \\
x-1\,\overline{)\,2x^5 - x^4 + 0x^3 + 3x^2 - x + 5} \\
\underline{2x^5 - 2x^4} \\
x^4 + 0x^3 \\
\underline{x^4 - x^3} \\
x^3 + 3x^2 \\
\underline{x^3 - x^2} \\
4x^2 - x \\
\underline{4x^2 - 4x} \\
3x + 5 \\
\underline{3x - 3} \\
8
\end{array}
$$