Week 8 - What's More

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Activity 1

1.

$$\begin{array}{r}
2x^2 + x - 1 \\
x + 4) \overline{)2x^3 + 9x^2 + 3x - 4} \\
\underline{-2x^3 - 8x^2} \\
x^2 + 3x \\
\underline{-x^2 - 4x} \\
-x - 4 \\
\underline{x + 4} \\
0
\end{array}$$
(1)

2.

$$\begin{array}{r}
4x^2 - 6x + 9 \\
2x + 3) \overline{)8x^3 + 27} \\
-8x^3 - 12x^2 \\
-12x^2 \\
\underline{-12x^2 + 18x} \\
18x + 27 \\
\underline{-18x - 27} \\
0
\end{array}$$

3.

$$\begin{array}{r}
12x^2 + 4x + 19 \\
x - 2) \overline{)12x^3 - 20x^2 + 11x - 14} \\
\underline{-12x^3 + 24x^2} \\
4x^2 + 11x \\
\underline{-4x^2 + 8x} \\
19x - 14 \\
\underline{-19x + 38} \\
24
\end{array}$$

Activity 2

a

4x + 13 r36

b)

c)

d)

e)

$$-\frac{1}{2} \begin{bmatrix} 2 & 5 & -4 & -5 \\ & -1 & -2 & 3 \\ \hline 2 & 4 & -6 & -2 \end{bmatrix}$$

$$2x^{2} + 4x - 6 \quad r - 2$$

$$(8)$$