

March 21, 2017

5.4 Adding Polynomials

$$2x^3 + 3x^3$$

*like*

$$x^3(2+3)$$

*like*

$$x^3 \cdot 5 \rightarrow 5x^3$$

Mar 21-9:04 AM

$$\textcircled{1} (6x^2 + 5x + 9) + (2x^2 - 3x + 5)$$

$$\begin{array}{|c|c|c|} \hline 6x^2 & +5x & +9 \\ \hline \end{array} \quad \begin{array}{|c|c|c|} \hline +2x^2 & -3x & +5 \\ \hline \end{array}$$

$$8x^2 + 2x + 14$$

Mar 21-9:09 AM

$$\textcircled{1} (2x^3 - 5x^2 + 2) - (3x^3 + 5x^2 + x + 2)$$

$$\begin{array}{|c|c|c|} \hline 2x^3 & -5x^2 & +2 \\ \hline \end{array} \quad \begin{array}{|c|c|c|} \hline -3x^3 & -5x^2 & -x \\ \hline \end{array} \quad \begin{array}{|c|} \hline -2 \\ \hline \end{array}$$

$$-x^3 - 10x^2 - x$$

Mar 21-9:13 AM