



## Division Of Polynomials

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

$$\frac{42x^3 - 2x^2 + 50x - 18}{6x - 2}$$

$$\frac{36x^3 - 6x^2 + 28x - 40}{6x - 5}$$

$$\frac{25x^2 + 55x + 18}{5x + 2}$$

$$\frac{45x^2 + 90x + 45}{9x + 9}$$

$$\frac{8x^3 - 56x^2 - 68x + 32}{x - 8}$$

$$\frac{16x^3 - 36x^2 - 36x}{4x}$$

$$\frac{36x^2 - 88x + 32}{4x - 8}$$

$$\frac{24x^2 - 25x - 25}{3x - 5}$$

$$\frac{63x^3 - 45x^2 + 18x}{9x}$$

$$\frac{54x^3 - 36x^2 - 42x}{6x}$$



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$$\begin{array}{r} 42x^3 - 2x^2 + 50x - 18 \\ \hline 6x - 2 \\ 7x^2 + 2x + 9 \end{array}$$

$$\begin{array}{r} 36x^3 - 6x^2 + 28x - 40 \\ \hline 6x - 5 \\ 6x^2 + 4x + 8 \end{array}$$

$$\begin{array}{r} 25x^2 + 55x + 18 \\ \hline 5x + 2 \\ 5x + 9 \end{array}$$

$$\begin{array}{r} 45x^2 + 90x + 45 \\ \hline 9x + 9 \\ 5x + 5 \end{array}$$

$$\begin{array}{r} 8x^3 - 56x^2 - 68x + 32 \\ \hline x - 8 \\ 8x^2 + 8x - 4 \end{array}$$

$$\begin{array}{r} 16x^3 - 36x^2 - 36x \\ \hline 4x \\ 4x^2 - 9x - 9 \end{array}$$

$$\begin{array}{r} 36x^2 - 88x + 32 \\ \hline 4x - 8 \\ 9x - 4 \end{array}$$

$$\begin{array}{r} 24x^2 - 25x - 25 \\ \hline 3x - 5 \\ 8x + 5 \end{array}$$

$$\begin{array}{r} 63x^3 - 45x^2 + 18x \\ \hline 9x \\ 7x^2 - 5x + 2 \end{array}$$

$$\begin{array}{r} 54x^3 - 36x^2 - 42x \\ \hline 6x \\ 9x^2 - 6x - 7 \end{array}$$