

Polynomial Division Long

$$\begin{array}{r} x-6 \overline{) 2x^3 - 4x + 2} \\ \quad 2x^2 + 12x + 68 \\ \hline x-6 \overline{) 2x^3 + 0x^2 - 4x + 2} \\ \quad - [2x^3 - 12x^2] \\ \quad \quad 12x^2 - 4x \\ \quad \quad - [12x^2 - 72x] \\ \quad \quad \quad 68x + 2 \\ \quad \quad \quad - [68x - 408] \\ \quad \quad \quad \quad 410 \end{array}$$

$$2x^2 + 12x + 68 \quad \frac{410}{x-6}$$

Jay
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