

Algebra /

Dividing a polynomial by a monomial: Univariate

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Divide.

$$\frac{32z^4 + 28z^3 - 8z^2}{4z^2}$$

Simplify your answer as much as possible.

×

↶

$$\begin{array}{r}
 \cancel{4z^2z^2} \quad \cancel{32} \cancel{z^4} \\
 \hline
 \cancel{4} \cancel{z^2}
 \end{array}
 +
 \begin{array}{r}
 \cancel{28} \cancel{z^3} \\
 \hline
 \cancel{4} \cancel{z^2}
 \end{array}
 -
 \begin{array}{r}
 \cancel{8} \cancel{z^2} \\
 \hline
 \cancel{4} \cancel{z^2}
 \end{array}
 = 8z^2 + 7z - 2$$

Note: