

Algebra /

Multiplication involving binomials and trinomials in one variable

$$\begin{array}{r}
 (5w^2 + 7w + 1)(6w^2 - 2w + 6) \\
 \hline
 30w^4 - 10w^3 + 30w^2 \\
 + 42w^3 - 14w^2 + 42w \\
 + 6w^2 - 2w + 6 \\
 \hline
 30w^4 + 32w^3 + 22w^2 + 40w + 6
 \end{array}$$