

Adding and Subtracting Polynomials

Problems can be written three different ways. Each means the same thing.

$f(x) + g(x)$	$(f + g)(x)$	Find the sum of $f(x)$ and $g(x)$
$f(x) - g(x)$	$(f - g)(x)$	Find the difference of $f(x)$ and $g(x)$

$$\begin{aligned}f(x) &= 9x^2 - 4x + 2 \\g(x) &= 3x - 1 \\h(x) &= -2x^2 + 3x - 10\end{aligned}$$

Find $f(x) - h(x)$.

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Find $(f - g)(x)$.

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