Perform the operations and show all steps.

$f(x) = 3x + 5 \quad g(x) = 9 - x$ $f(x) + g(x)$	$f(x) = 3x + 5 \quad g(x) = 9 - x$ $f(x) - g(x)$
$f(x) = x^2 - 6x \quad g(x) = 2x + 7$ $f(x) + g(x)$	$f(x) = x^2 - 6x \quad g(x) = 2x + 7$ $g(x) - f(x)$
$f(x) = 3x^2 + 7x - 2 \quad g(x) = 10 - 3x$ $f(x) + g(x)$	$f(x) = 3x^2 + 7x - 2 \quad g(x) = 10 - 3x$ $f(x) - g(x)$
$f(x) = 9 - 4x \quad g(x) = 1 - x^2$ $f(x) + g(x)$	$f(x) = 9 - 4x \quad g(x) = 1 - x^2$ $g(x) - f(x)$
$f(x) = 12x^2 - 8x \quad g(x) = x^2 + 3x + 2$ $f(x) + f(x)$	$f(x) = 12x^2 - 8x \quad g(x) = x^2 + 3x + 2$ $g(x) + g(x)$

Perform the operations and show all steps.

$2x + 14$	$4x - 4$
$x^2 - 4x + 7$	$-x^2 + 8x + 7$
$3x^2 + 4x + 8$	$3x^2 + 10x - 12$
$-x^2 - 4x + 10$	$-x^2 + 4x - 8$
$24x^2 - 16x$	$2x^2 + 6x + 4$