Adding and Subtracting Functions

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Perform the indicated operation.

1) $h(x) = -8x + 6$
$g(x) = 2x + 2$
Find $(h - g)(x)$

2) $h(x) = -11x + 8$
$g(x) = 6x + 3$
Find $(h - g)(x)$

3) $h(x) = 9x + 2$
$g(x) = 6x + 1$
Find $(h + g)(x)$

4) $h(x) = 5x + 3$
$g(x) = 7x + 2$
Find $(h + g)(x)$

5) $h(x) = -7x + 6$
$g(x) = 2x + 4$
Find $(h + g)(x)$

6) $h(x) = -6x + 7$
$g(x) = 7x + 4$
Find $(h - g)(x)$

7) $h(x) = -2x + 6$
$g(x) = 3x + 4$
Find $(h - g)(x)$

8) $h(x) = -3x + 7$
$g(x) = 4x + 1$
Find $(h - g)(x)$

9) $h(x) = 8x + 2$
$g(x) = 2x + 3$
Find $(h + g)(x)$

10) $h(x) = -2x + 8$
$g(x) = 7x + 4$
Find $(h - g)(x)$

11) $h(x) = -3x + 5$
$g(x) = 2x + 4$
Find $(h + g)(x)$

12) $h(x) = -9x + 5$
$g(x) = 6x + 1$
Find $(h + g)(x)$

13) $h(x) = -9x + 6$
$g(x) = 6x + 4$
Find $(h - g)(x)$

14) $h(x) = -10x + 6$
$g(x) = 3x + 4$
Find $(h - g)(x)$

15) $h(x) = 7x + 3$
$g(x) = 7x + 4$
Find $(h + g)(x)$

16) $h(x) = -11x + 2$
$g(x) = 4x + 4$
Find $(h + g)(x)$

Answers of Adding and Subtracting Functions

Perform the indicated operation.

1) $h(x) = -8x + 6$
$g(x) = 2x + 2$
Find $(h - g)(x)$
$(h - g)(x) = -10x + 4$

2) $h(x) = -11x + 8$
$g(x) = 6x + 3$
Find $(h - g)(x)$
$(h - g)(x) = -17x + 5$

3) $h(x) = 9x + 2$
$g(x) = 6x + 1$
Find $(h + g)(x)$
$(h + g)(x) = 15x + 3$

4) $h(x) = 5x + 3$
$g(x) = 7x + 2$
Find $(h + g)(x)$
$(h + g)(x) = 12x + 5$

5) $h(x) = -7x + 6$
$g(x) = 2x + 4$
Find $(h + g)(x)$
$(h + g)(x) = -5x + 10$

6) $h(x) = -6x + 7$
$g(x) = 7x + 4$
Find $(h - g)(x)$
$(h - g)(x) = -13x + 3$

7) $h(x) = -2x + 6$
$g(x) = 3x + 4$
Find $(h - g)(x)$
$(h - g)(x) = -5x + 2$

8) $h(x) = -3x + 7$
$g(x) = 4x + 1$
Find $(h - g)(x)$
$(h - g)(x) = -7x + 6$

9) $h(x) = 8x + 2$
$g(x) = 2x + 3$
Find $(h + g)(x)$
$(h + g)(x) = 10x + 5$

10) $h(x) = -2x + 8$
$g(x) = 7x + 4$
Find $(h - g)(x)$
$(h - g)(x) = -9x + 4$

11) $h(x) = -3x + 5$
$g(x) = 2x + 4$
Find $(h + g)(x)$
$(h + g)(x) = -1x + 9$

12) $h(x) = -9x + 5$
$g(x) = 6x + 1$
Find $(h + g)(x)$
$(h + g)(x) = -3x + 6$

13) $h(x) = -9x + 6$
$g(x) = 6x + 4$
Find $(h - g)(x)$
$(h - g)(x) = -15x + 2$

14) $h(x) = -10x + 6$
$g(x) = 3x + 4$
Find $(h - g)(x)$
$(h - g)(x) = -13x + 2$

15) $h(x) = 7x + 3$
$g(x) = 7x + 4$
Find $(h + g)(x)$
$(h + g)(x) = 14x + 7$

16) $h(x) = -11x + 2$
$g(x) = 4x + 4$
Find $(h + g)(x)$
$(h + g)(x) = -7x + 6$