Algebra. Simplifying Expressions by Collecting/Combining Like Terms 1.

Date: *Name:*

[a] $4a + 4b + 6a + 4b$	[b] $7m + 6n + 4m + 8n$
[c] $6p + 4q + 4p + 7q$	[d] $7y + 2x + 9y + 2x$
[e] $8u + 4v + 2u + 7v$	[f] $y + 4e + 2y + 2e$
[g] $4z^2 - 4z + 2z^2 + z$	[h] $4x^2 + 4x + 2x^2 - 6x$
[i] $4t + 2t^2 + t - t^2$	[k] $4u + 4v + 12u - 2v$

ANSWERS

[a]

$4a + 4b + 6a + 4b$

$10a + 8b$

[b]

$7m + 6n + 4m + 8n$

$11m + 14n$

[c]

$6p + 4q + 4p + 7q$

$10p + 11q$

[d]

$7y + 2x + 9y + 2x$

$4x + 16y$

[e]

$8u + 4v + 2u + 7v$

$10u + 11v$

[f]

$y + 4e + 2y + 2e$

$6e + 3y$

[g]

$4z^2 - 4z + 2z^2 + z$

$6z^2 - 3z$

[h]

$4x^2 + 4x + 2x^2 - 6x$

$6x^2 - 2x$

[i]

$4t + 2t^2 + t - t^2$

$t^2 + 5t$

[k]

$4u + 4v + 12u - 2v$

$16u + 2v$