Name: _____ Date: _____

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Combining Like Terms

1. Combine like terms.

a) $3x + 5x =$ ☐
b) $7y - 2y =$ ☐
c) $4a + 6a =$ ☐
d) $9b - 4b =$ ☐
e) $8m + m =$ ☐
f) $10n - 3n =$ ☐
g) $6p + 2p =$ ☐
h) $12q - 7q =$ ☐
i) $15r + 5r =$ ☐
j) $11t - 9t =$ ☐

2. Combine like terms.

a) $2x + 3x + x =$ ☐
b) $5y + 4y - 2y =$ ☐
c) $7a - 3a + a =$ ☐
d) $8b + b + 6b =$ ☐
e) $9m - 4m + 2m =$ ☐
f) $6n + 3n - n =$ ☐
g) $10p - 5p + 7p =$ ☐
h) $4q + 6q - 3q =$ ☐
i) $12r - 8r + 5r =$ ☐
j) $13t + 7t - 9t =$ ☐

3. Combine like terms.

a) $4x + 7 + 2x =$ ☐
b) $6y - 3 + 5y =$ ☐
c) $9a + 2 - 4a =$ ☐
d) $8b - 6 + 3b =$ ☐
e) $5m + 8 - 2m =$ ☐
f) $7n - 5 + 4n =$ ☐
g) $10p + 3 - 6p =$ ☐
h) $3q + 12 + 5q =$ ☐
i) $9r - 4 - 3r =$ ☐
j) $11t + 6 - 8t =$ ☐

4. Combine like terms.

a) $2x + 3y + 5x - y =$ ☐
b) $4a - 2b + 6a + 3b =$ ☐
c) $7m + 3n - 2m + 5n =$ ☐
d) $9p - 4q + 2p + q =$ ☐
e) $8r + 6s - 3r - 2s =$ ☐
f) $5x + 2y - 7x + 4y =$ ☐
g) $10a - 3b - 5a + 6b =$ ☐
h) $12m + 4n - 8m - n =$ ☐
i) $9p + 5q - 3p - 7q =$ ☐
j) $6r - 2s + 4r + 3s =$ ☐

5. Combine like terms.

a) $3(x + 4) + 2x =$ ☐
b) $5(y - 3) + 4y =$ ☐
c) $2(3a + 1) - a =$ ☐
d) $4(b + 2) - 3b =$ ☐
e) $6(m - 5) + 2m =$ ☐
f) $3(2n + 1) - 4n =$ ☐
g) $5(3p - 2) + p =$ ☐
h) $4(2q + 3) - 5q =$ ☐
i) $7(r - 1) + 3r =$ ☐
j) $2(5t + 4) - 6t =$ ☐

6. Simplify the expressions.

a) $4x + 6x - 3x + 8 =$ ☐
b) $9y - 2y + 5 - 3y =$ ☐
c) $7a + 4 - 2a + 6 =$ ☐
d) $8b - 5 + 3b - 2 =$ ☐
e) $10m + 3 - 4m + 7 =$ ☐
f) $6n - 1 + 8n - 5 =$ ☐
g) $12p + 4 - 7p + 3 =$ ☐
h) $9q - 6 + 2q - 8 =$ ☐
i) $11r + 5 - 6r + 4 =$ ☐
j) $14t - 9 + 3t - 2 =$ ☐

7. Fill in the blanks with the correct term.

a) $5x +$ _____ $+ 3x = 10x$
b) $8y -$ _____ $+ 2y = 6y$
c) $4a +$ _____ $+ a = 9a$
d) $7b -$ _____ $- 3b = 2b$
e) $9m +$ _____ $- 4m = 6m$
f) $6n +$ _____ $+ 3n = 11n$
g) $10p -$ _____ $+ 5p = 8p$
h) $3q +$ _____ $- 2q = 5q$
i) $12r -$ _____ $+ 4r = 9r$
j) $8t +$ _____ $- 3t = 6t$

8. True or False.

a) $4x + 3x = 7x$ _____
b) $5y - 2y = 3y$ _____
c) $6a + 2b = 8ab$ _____
d) $9m - 4m = 5$ _____
e) $7n + n + 2n = 10n$ _____

9. Identify like terms and combine.

a) $3x + 4y + 5x - 2y =$ ☐
b) $6a - 3b + 4a + 5b =$ ☐
c) $8m + 2n - 3m + n =$ ☐
d) $9p - 4q - 2p + 6q =$ ☐
e) $5r + 7s - 3r - 2s =$ ☐

10. Write the expression in simplest form.

a) $2x + 3x + 4 - x =$ ☐
b) $5y - 2 + 3y + 6 =$ ☐
c) $7a - 5 + 2a - 4 =$ ☐
d) $9b + 3 - 4b + 1 =$ ☐
e) $6m - 8 + 5m + 2 =$ ☐