

# Adding Like Terms

AM

**Simplified Expression:** An expression that has all like terms combined.

$$5x + 4x = x(5 + 4) = 9x$$

Simplify.

1)  $2a + 3a$

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2)  $5y + 3y + 3$

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3)  $4z + 3p + 4z + 5$

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4)  $8r + 5r + 6$

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5)  $5x + 2x + 3x + 4x$

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6)  $3b + 4b + 5b + 6b$

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7)  $3y + 4y + 5x + 6x$

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8)  $10y + 13 + 25x + 6y + 5x$

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9)  $5(6a + 4) + 10a + 4a + 3$

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10)  $3(9y + 5x) + 2(7y + 8x) + 6$

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11)  $2(7y + 4x + 2z) + 2(6y + 9x + 5z)$

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12)  $25y + 52x + 15z + 7(6y + 3x + 4z) + 10y + 9x + 12z$

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13)  $5(6 + 3x + 4y) + 3(9z + 3x + 5y)$

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14)  $2x + 3x + 4 + 5z + 6y + 7x + 8 + 9x + 10z + 11y + 12x + 13y$

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