GRADE 7 MATH · CLASSWORK · ADVANCED

Expand More Complex Expressions

SCORE / 25

01 Part A · Practice

Distribute to every term in each set of parentheses, then combine like terms to finish simplifying.

EXAMPLE

Expand and simplify $3(x + 4) - 2(x - 5)$.

1. $3(x + 4) = 3x + 12$.
2. $-2(x - 5) = -2x + 10$.
3. $3x - 2x + 12 + 10 = x + 22$.

1 ●○○ Expand and simplify. $2(a + 3) - 7(a - 8)$

2 ●○○ Expand. $-14(3k + 8b - 3)$

3 ●○○ Expand and simplify. $2(a + 2) + 9(3a - 4)$

4 ●○○ Expand. $-5(6y + 2k - 3)$

5 ●○○ Expand and simplify. $\frac{1}{2}(5n - 4) - 7(5n + 3)$

6 ●○○ Expand and simplify. $4(5y + 5) + 3(3y + 1)$

7 ●○○ Expand and simplify. $7(2y - 5) - 7(y + 8)$

8 ●○○ Expand. $\frac{1}{2}(14m - 4w + 6)$

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Preview - the full worksheet and its answer key are at primeworksheet.com