



Combining like terms

GRADE 6 MATH

Name _____

Date _____

Work through the sheet in order. Circle or underline the like terms before combining; final answers go in the boxes. One skill: **combining like terms**.

WORKED EXAMPLE

Group terms with the SAME variable part, then add or subtract their coefficients. $9k + 6 - 2k \rightarrow (9k - 2k) + 6 = \mathbf{7k + 6}$. A term with no like partner just stays.

1. Simplify $4a + 6a$.

FLUENCY

Show your thinking

Answer

2. Simplify $9y - 3y$.

FLUENCY

Show your thinking

Answer

3. Simplify $n + 7n$.

FLUENCY

Show your thinking

Answer

4. Simplify $5x + 3 + 2x$.

APPLICATION

Show your thinking

Answer

5. Simplify $8m + 4 - 3m$.

APPLICATION

Show your thinking

Answer

6. Simplify $6 + 2k + 9$.

APPLICATION

Show your thinking

Answer

7. Can $4x + 9$ be simplified further? Explain your answer.

REASONING

Show your thinking

Answer

8. Simplify $2(x + 3) + 4x$. Expand first, then combine.

REASONING

Show your thinking

Answer

9. Simplify $7p + 2p - 5p$, then check your answer by substituting $p = 3$ into the original and your result.

REASONING

Show your thinking

Answer