

Combine like terms

NAME	DATE	SCORE / 10
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- 1** Write $7y - 4 - x + 9 + 4x$ with like terms collected.

- 2** Noah collects the like terms in $4x + 6y - 2x + 3y$ and gets $6x + 9y$. Is Noah right?

☐ No, it is $11xy$ ☐ Yes, Noah is right ☐ No, it is $2x + 9y$

- 3** Which of these expressions are equal to $5x + 2 + 5x$?

Tick every answer that is true.

- ☐ **A** $5x + 5x + 2$
☐ **B** $10x^2 + 2$
☐ **C** $12x$
☐ **D** $2 + 10x$
☐ **E** $25x + 2$

- 4** Write $2x + 9 - x + 8y$ with like terms collected.

- 5** Leo collects the like terms in $8x + 14 - 7x$ and gets $15x$. Is Leo right?

☐ Yes, Leo is right ☐ No, it is $15x + 14$ ☐ No, it is $x + 14$

6 Which of these expressions are equal to $3x + 6 + 5x$?

Tick every answer that is true.

- ☐ **A** $6 + 8x$
- ☐ **B** $8x^2 + 6$
- ☐ **C** $15x + 6$
- ☐ **D** $5x + 3x + 6$
- ☐ **E** $8x + 6$
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7 Write $4x + 9x - 5x + 8 + 4x$ with like terms collected.

8 Leo collects the like terms in $7x + 7 - 4x$ and gets $10x$. Is Leo right?

- ☐ No, it is $11x + 7$ ☐ No, it is $3x + 7$ ☐ Yes, Leo is right
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9 Write $9x - 3 + 8y + 8x$ with like terms collected.

10 Write $7x + 9x + 4x - 9 + 5$ with like terms collected.

Combine like terms

1 $3x+7y+5$

3 **A, D**

Tick exactly these: A: $5x + 5x + 2$; D: $2 + 10x$. One missed or one extra is wrong.

5 **No, it is $x + 14$**

7 $12x+8$

9 $17x+8y-3$

2 **No, it is $2x + 9y$**

4 $x+8y+9$

6 **A, D, E**

Tick exactly these: A: $6 + 8x$; D: $5x + 3x + 6$; E: $8x + 6$. One missed or one extra is wrong.

8 **No, it is $3x + 7$**

10 $20x-4$