2.5 Simplifying and Collecting Like Terms: 10-minute Pack

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Simplify fully by collecting like terms and performing simple multiplications.

(a) Simplify 2(3x) + 4x **(3)**

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2 Stretch question. Simplify fully, showing each step clearly.

(a) Simplify 3(x + 2) - 2(x - 1) + x **(3)**

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3 Collect like terms and simplify each expression.

(a) Simplify 2x + 5x **(1)**

(b) Simplify 6y - 2y **(1)**

(c) Simplify 3a + 4b + 2a **(1)**

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Mark scheme · 2.5 Simplifying and Collecting Like Terms: 10-minute Pack

Question 1

(a) multiply inside brackets: 2(3x) -> 6x	**M1**
(a) collect like terms: 6x + 4x -> (6+4)x	**M1**
(a) 10x cao	**A1**
(a) Answer: **10x**	

Question 2

(a) expand brackets: 3x+6 and -2x+2	**M1**
(a) collect like x terms: 3x - 2x + x	**M1**
(a) 2x + 8 cao	**A1**
(a) Answer: **2x + 8**	

Question 3

(a) 7x cao	**B1**
(a) Answer: **7x**	
(b) 4y cao	**B1**
(b) Answer: **4y**	
(c) 5a + 4b cao	**B1**
(c) Answer: **5a + 4b**	

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