2.8 Expanding Single Brackets: 10-minute Pack

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Solve $2(x + 3) + 5 = 3x + 1$.

(2)

2 Work out $-2(x + 3) - 3(x - 1)$.

(2)

3 Show that $6(x + 6) + 5(x + 7) = 11x + 71$.

(3)

4 Expand $9(x + 1)$.

(2)

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Mark scheme · 2.8 Expanding Single Brackets: 10-minute Pack

Question 1

expand and collect like terms: 2x + 6 + 5 = 3x + 1 or 2x + 11 = 3x + 1	**M1**
x = 10 cao	**A1**

Answer: **10**

Question 2

expand both brackets: -2x - 6 and -3x + 3 or equivalent	**M1**
-5x - 3 cao	**A1**

Answer: **-5x - 3**

Question 3

6(x + 6) = 6x + 36	**M1**
5(x + 7) = 5x + 35	**M1**
collects like terms to give 11x + 71	**A1**

Answer: **11x + 71 (shown)**

Question 4

one term correctly expanded	**M1**
9x + 9 cao	**A1**

Answer: **9x + 9**

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