

NAME

Time:

Non-Calculator Questions



1 a Simplify $5x + 2x + x$

(1 mark)



b Simplify $5a + 6 - 2a + 4$

(2 marks)



c Simplify $3y \times 5y$

(2 marks)



d Simplify $\frac{20c}{4}$

(1 mark)



e Simplify $4x \times 5y$

(2 marks)



f Simplify $6w^2 - 8w + 10w - 2w^2$

(2 marks)



3 a Expand $5(k + m)$

(1 mark)

b Expand $x(x + 3)$

(1 mark)

Unit 2F Algebra (Phase 1) CONSOLIDATION and REVISION



- 5 Tickets for the theatre cost $\pounds a$ for an adult and $\pounds c$ for a child.
Write an expression in terms of a and c for the cost in pounds, for three adults and four children.

(2 marks)



- 7 Ali says that, when $y = 2$, $4y^2 = 64$
Behnaz says that, when $y = 2$, $4y^2 = 16$
Who is correct?
You must give a reason for your answer.

(2 marks)



- 9 a Factorise fully $5a^2 + 15a$

(2 marks)

- b Factorise fully $3w^2 - 9wx$

(2 marks)

- c Factorise fully $c^4 + c^2$

(2 marks)



- 11 a Expand and simplify $4(x + y) + 3(2x + 3y)$

(2 marks)

- b Expand and simplify $5(w + 2t) - 3(2w - t)$

(2 marks)

Overall mark	/26
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