MEMORANDUM

Name: ..... Class: .....

Date: .....

MARK ____ / 17

Answer all questions. Show all your working — marks are awarded for method as well as the final answer. **Teacher copy: accept any correct equivalent method.**

1 Expand: $5(x + 2)$ (1)

$5x + 10$ ✓ (1)

2 Expand: $4(2a - 3)$ (2)

$8a - 12$ ✓✓ (2)

3 Expand: $3x(x + 5)$ (2)

$3x^2 + 15x$ ✓✓ (2)

4 Expand: $-2(y - 4)$ (2)

$-2y + 8$ ✓✓ (2)

5 Expand and simplify: $3(x + 2) + 2(x + 1)$ (3)

$3x + 6 + 2x + 2 = \mathbf{5x + 8}$ ✓✓✓ (3)

6 Expand and simplify: $6 - 3(x - 2)$ (3)

$6 - 3x + 6 = \mathbf{-3x + 12}$ ✓✓✓ (3)

7 Simplify: $(10x^2 + 5x) \div 5x$, $x \neq 0$ (2)

$2x + 1$ ✓✓ (2)

8 Find the value of $4a - b$ if $a = 3$ and $b = 5$. (2)

$12 - 5 = \mathbf{7}$ ✓✓ (2)

TOTAL: 17 marks

© Danemathics — free to print and share for classroom use.