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| Year  9 | | Mathematics Test  Algebraic Products | | Calculator Allowed |
| Short Answer Section | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | Write all working and answers in the spaces provided on this test paper. | | | |
| 1. | Simplify  .......................................................................................................................................................... | | | |
| 2. | Simplify  .......................................................................................................................................................... | | | |
| 3. | Simplify  .......................................................................................................................................................... | | | |
| 4. | Simplify  .......................................................................................................................................................... | | | |
| 5. | Simplify  .......................................................................................................................................................... | | | |
| 6. | Expand  .......................................................................................................................................................... | | | |
| 7. | Expand    .......................................................................................................................................................... | | | |
| 8. | Expand    .......................................................................................................................................................... | | | |
| 9. | Expand and simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 10. | Expand and simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 11. | Expand and simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 12. | Expand and simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 13. | Expand and simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 14. | Expand and simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 15. | Expand and simplify .  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 16. | Expand and simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 17. | Expand and simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 18. | Expand and simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |

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| Year  9 | | Mathematics Test  Algebraic Products | | Calculator Allowed |
| Multiple Choice Section | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | Mark all your answers on the accompanying multiple choice answer sheet, not on this test paper. You may do any working out on this test paper. Calculators are allowed for this section. | | | |
| 1. | Simplify  **A**.  **B.**  **C.**  **D**. | | | |
| 2. | **A.**  **B.**  **C.**  **D.** | | | |
| 3. | Expand  **A.**  **B.**  **C.**  **D.** | | | |
| 4. | Expand  **A.**  **B.**  **C.**  **D.** | | | |
| 5. | Expand  **A.**  **B.**  **C.**  **D.** | | | |
| 6. | Expand and simplify  **A.**  **B.**  **C.**  **D.** | | | |
| 7. | Expand and simplify  **A.**  **B.**  **C.**  **D.** | | | |
| 8. | Expand and simplify  **A.**  **B.**  **C.**  **D.** | | | |
| 9. | Expand and simplify  **A.**  **B.**  **C.**  **D.** | | | |
| 10. | Expand and simplify  **A.**  **B.**  **C.**  **D.** | | | |
| 11. | Expand and simplify  **A.**  **B.**  **C.**  **D.** | | | |
| 12. | Expand and simplify  **A.**  **B.**  **C.**  **D.** | | | |
| 13. | Expand and simplify  **A.**  **B.**  **C.**  **D.** | | | |
| 14. | Expand and simplify  **A.**  **B.**  **C.**  **D.** | | | |

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| Year  9 | Mathematics Test  Algebraic Products |  |
| Multiple Choice  Answer Sheet | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Completely fill the response oval representing the most correct answer.

1. A B C D

2. A B C D

3. A B C D

4. A B C D

5. A B C D

6. A B C D

7. A B C D

8. A B C D

9. A B C D

10. A B C D

11. A B C D

12. A B C D

13. A B C D

14. A B C D

|  |  |
| --- | --- |
|  | Mathematics Test  Algebraic Products |
| Answer Sheet |

|  |  |
| --- | --- |
| Short Answer | |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |
| 6 |  |
| 7 |  |
| 8 |  |
| 9 |  |
| 10 |  |
| 11 |  |
| 12 |  |
| 13 |  |
| 14 |  |
| 15 |  |
| 16 |  |
| 17 |  |
| 18 |  |

|  |  |
| --- | --- |
| Multiple Choice | |
| 1 | C |
| 2 | D |
| 3 | C |
| 4 | C |
| 5 | D |
| 6 | A |
| 7 | B |
| 8 | C |
| 9 | D |
| 10 | B |
| 11 | A |
| 12 | B |
| 13 | B |
| 14 | A |