|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year  10 | | Surds Practice Test | | Non Calculator |
| Short Answer Section | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | Write all working and answers in the spaces provided on this Practice Test paper. | | | |
| 1. | Simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 2. | Simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 3. | Simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 4. | Expand and simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 5. | Express  with a rational denominator.  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 6. | Expand and simplify  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 7. | Arrange in ascending order:  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 8. | Express  with a rational denominator.  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year  10 | | Surds Practice Test | | Calculator |
| Multiple Choice Section | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | Mark all your answers on the accompanying multiple choice answer sheet, not on this Practice Test paper. You may do any working out on this Practice Test paper. Calculators are allowed for this section. | | | |
| 1. | Which of the numbers below is rational?  **A.**  **B.**  **C.**  **D.** | | | |
| 2. | Which of the numbers below not a surd?  **A.**  **B.**  **C.**  **D.** | | | |
| 3. | **A.**  **B.**  **C.**  **D.** | | | |
| 4. | **A.**  **B.**  **C.**  **D.** | | | |
| 5. | If  then *x* = ?  **A.**  **B.**  **C.**  **D.** | | | |
| 6. | Which of the following is in descending order?  **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.** | | | |
| 15. | **A.**  **B.**  **C.**  **D.** | | | |
| 16. | **A.**  **B.**  **C.**  **D.** | | | |
| 17. | **A.**  **B.**  **C.**  **D.** | | | |

Surds Practice Test

Multiple Choice Section

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

15. A B C D

16. A B C D

17. A B C D