**Indices Rules - Basics**

|  |  |  |
| --- | --- | --- |
| Name : | Class : | Date : |

|  |  |  |
| --- | --- | --- |
| Mark : | /18 | % |

|  |  |
| --- | --- |
| **1)** Write in index form       a) 5   5   5       b) 7   5   7   5       c) | [4] |
| d) 5   3   5   3   5 |  |
| **2)** Evaluate the following. Where appropriate, leave your answer as a fraction.       a)       b)       c) | [5] |
| d)       e) |  |
| **3)** Evaluate | [1] |
| **4)** Simplify, giving your answer in index form       a)       b)       c) | [5] |
| d)       e) |  |
| **5)** Simplify | [1] |
| **6)** Show the following as a power of 4 | [1] |
| **7)** Show the following as a power of 9 | [1] |

**Solutions for the assessment Indices Rules - Basics**

|  |  |
| --- | --- |
| **1)**  a) | b) |
| c) | d) |
| **2)**  a) | b) |
| c) | d) |
| e) | **3)** 1 |
| **4)**  a) | b)   or |
| c)   or | d)   or |
| e)   or | **5)** |
| **6)** | **7)** |