中三級 數學科

整數指數律（課堂工作紙）

姓名：\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 班別：\_\_\_\_\_\_\_ (\_\_\_\_\_) 日期：\_\_\_\_\_\_\_­­­­\_\_\_\_\_\_\_\_\_

**概念重溫**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. 化簡下列各題 | | 2. 化簡下列各題 | |
| (a) | 及 | (a) | 及 |
| (b) |  | (b) |  |
| (c) |  | (c) |  |
| (d) |  | (d) |  |

**活動一︰零指數的概念** （是什麼？）

與組員一起完成下列各題。

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 例一(a) |  |  | | (b) |  | 1 | | |
| 例二(a) |  |  | | (b) |  | 1 | | |
| 1. (a) |  | |  | (b) |  | | 1 | |
| 2. (a) |  | |  | (b) |  | | | 1 |
| 3. (a) |  | |  | (b) |  | 1 | | |

對於 \_\_\_\_1\_\_\_\_

3. 化簡下列各題。

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| (a) |  | (b) |  | (c) |  |
| (d) |  | (e) |  | (f) |  |

**活動二︰負指數的概念** （是什麼？）

與組員一起完成下列各題。

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 例一(a) |  | | | (b) |  | |  | | |
| 例二(a) |  | | | (b) |  | |  | | |
| 1. (a) |  |  | | (b) |  | | |  |
| 2. (a) |  |  | | (b) |  | | |  |
| 3. (a) |  | |  | (b) |  |  | | |
| 4. (a) |  | |  | (b) |  |  | | |

根據以上題目，完成下列各題，以**正指數**表示答案。

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 5. (a) |  | (b) |  | (c) |  |
| (d) |  | (b) |  | (c) |  |

對於

4. 化簡下列各題，以**正指數**表示答案。

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| (a) |  | (b) |  | (c) |  |
| (d) |  | (e) |  | (f)\* |  |

**混合題︰**

5. 化簡下列各數式，並以**正指數**表示答案。

|  |  |  |  |
| --- | --- | --- | --- |
| (a) |  | (b) |  |
| (c) |  | (d) |  |
| (e) |  | (f) |  |
| (g) |  | (h) |  |
| (i) |  | (j) |  |
| (k)\* |  | (l)\* |  |