|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1) MULTIPLYING POWERS WITH THE SAME BASE** | | | | | |
|  | | | (x3)(x4) = | (2x2yz)(3x2y5z3) = | |
| **2) DIVIDING POWERS WITH THE SAME BASE** | | | | | |
|  | |  | |  | |
| **3) ZERO EXPONENT** | | **4) POWER OF A POWER** | | | **5) POWER OF A PRODUCT OR QUOTIENT** |
|  | | | | | |
|  |  | | | |  |
| **6) NEGATIVE EXPONENT** | | | | | |

**SUMMARY OF EXPONENT RULES**

|  |  |
| --- | --- |
| **1) MULTIPLICATION RULE** |  |
| **2) DIVISION RULE** |  |
| **3) ZERO EXPONENT RULE** | **x0 = 1** |
| **4) POWER OF A POWER RULE** |  |
| **5) POWER OF A PRODUCT / QUOTIENT RULE** |  |
| **6) NEGATIVE EXPONENT RULE** |  |

