**LES SURFACES ELEMENTAIRES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***PLANE*** |  | ***CYLINDRIQUE*** |  | ***CONIQUE*** |
| v5 |  | v3 |  | v9 |

|  |  |
| --- | --- |
| ***SPHERIQUE*** | ***TORE*** |
| v4 |  |

**LES AIRES DES FORMES ELEMENTAIRES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***CARRE*** |  | ***RECTANGLE*** |  | ***PARALLELOGRAMME*** |
| s1 |  | s2 |  | s3 |
| **S = a²** |  | **S = a x b** |  | **S = a x b**  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***TRAPEZE*** |  | ***TRIANGLE*** |  | ***HEXAGONE*** |
| s4 |  | s5 |  | s6 |
|  |  |  |  |  |
|  **S =** | **a + b** | **X h** |  **S =** | **b x h** |  |  **S =**  | **6 x c**  | **X a** |
| **2** | **2** | **2** |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| ***CERCLE*** |  | ***SECTEUR*** |  |
| s7 |  | s8 |  |
|  |  |  |  |
|  **S =** | **π x d²**  | **= π x r²** |  **S =** | **π x r x n°** |  |  |
| **4** | **360** |
|  |  |

 **LES VOLUMES ELEMENTAIRES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***CYLINDRE*** |  | ***CUBE*** |  | ***PARALLELEPIPEDE*** |
| v3 |  | v2 |  | v1 |
| **V = S x h** |  | **V = a3** |  | **V = a x b x h** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***PYRAMIDE*** |  | ***PRISMES*** |  | ***SPHERE*** |
| v5 |  | v8 |  | v4 |
|  |  | **V = S x h** |  |  |
|  **V =** | **S x h** |  |  **V =** | **4 x π x r²** |  |
| **3** | **3** |
|  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***CALOTTE SPHERIQUE*** |  | ***TRONC DE CONE*** |  | ***CONE*** |
| v6 |  | v9 |  | v7 |
|  |  |  |  |  |
|  **V =** | **π x h² x ( r -** | **h** | **)** | **V=** | **π x h** | **( R² + r² + ( Rxr ))** |  **V =** | **S x h** |  |
| **3** | **3** |  **3** |
|  |  |  |