

SPACE FIGURES

1) Complete the following table:

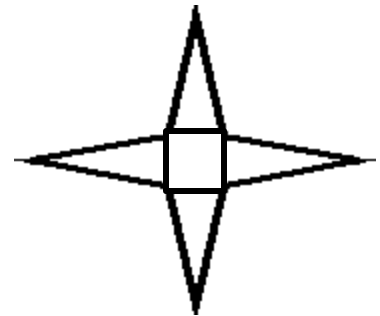
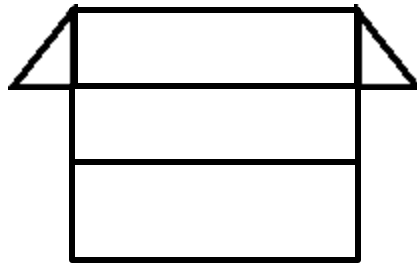
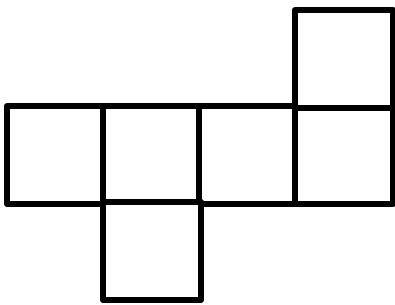
| Polyhedron | Number of Faces | Number of Vertices | Number of Edges |
|--------------------|-----------------|--------------------|-----------------|
| Cube | 6 | 8 | 12 |
| Triangular Prism | 5 | 6 | 9 |
| Triangular Pyramid | 4 | 4 | 6 |
| Pentagonal Prism | 7 | 10 | 15 |
| Pentagonal Pyramid | 6 | 6 | 10 |

2) Name the figure the following surface areas are from:

a) **Cube or Hexahedron**

b) **Triangular Prism**

c) **Rectangular Pyramid**

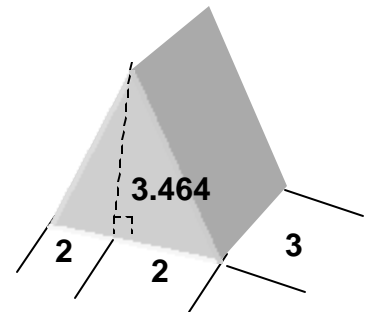
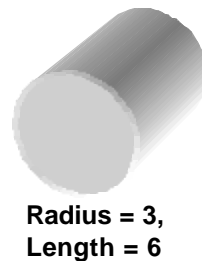
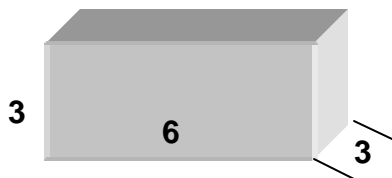


3) Calculate the surface area of the following figures:

a) **90 units²**

b) **54 p units²**

c) **49.856 units²**



4) Calculate the volume of the above figures:

a) **54 units³**

b) **54 p units³**

c) **20.784 units³**