Find the surface area and volume of each of these shapes. (All of these shapes have the equal slice property)

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| --- | --- |
| 1. 2 cm is the perpendicular distance between the hexagonal faces. At some point in the process you will need to find the length x of the 4 sides of the hexagon on the left and right. | 2.  |
| 3.  | 4. In this one all of the angles are right angles. Don’t forget the sides around the hole when you calculate the surface area |

|  |  |
| --- | --- |
| 1. 2 cm is the perpendicular distance between the hexagonal faces. At some point in the process you will need to find the length x of the 4 sides of the hexagon on the left and right. Area of hexagon  SA= Vol=  | 2.  Area of oval =     |
| 3. Area of triangle =    | 4. In this one all of the angles are right angles. Don’t forget the sides around the hole when you calculate the surface areaArea of shape with hole: Area of outside sides: Area of sides in “hole”:  SA=   |