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| **Volume of Cylinders, Cones and Spheres** | | | |
|  |  | |  |
| **(a)** | **(b)** | | **(c)** |
| Find the volume, giving your answer in terms of | Find the volume, giving your answer to the nearest cm3 | | Find the volume, giving your answer to 3 significant figures |
| **(d)** | **(e)** | | **(f)** |
| Find the volume, giving your answer to 3 significant figures | Find the volume, giving your answer to 2 decimal places | | Find the volume, leaving your answer in terms of |
| **(g)** | **(h)** | | **(i)** |
| Find the volume of the hemisphere to the nearest cm3 | The cone has a volume of . Find the height . | | The cylinder has a volume of Find its radius to the nearest mm. |
| **(j)** | | **(k)** | |
| A shape is made by joining a hemisphere to a cylinder. Both have a radius of . Find the total volume of the shape. | | A shape is made by joining a cone to a hemisphere, where both shapes have the same radius. The total volume is . Find the height of the cone. | |