**Volume and Surface Area Revision**

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| **(a)** | **(b)** | **(c)** | | **(d)** |
| The volume of a cuboid is Its height is and the length is . Find the width of the cuboid. | Find the surface area of a cube with side length . | The volume of the prism is Find . | | Find the surface area of this prism. |
| **(e)** | **(f)** | **(g)** | | **(h)** |
| Find the volume of the cylinder, giving your answer to 3 significant figures. | Find the total surface area of the cylinder, leaving your answer in terms of | The volume of a sphere is . Find the radius of the sphere. | | Find the total surface area of the hemisphere, giving your answer to 3 significant figures. |
| **(i)** | **(j)** | | **(k)** | |
| Find the volume of the cone, leaving your answer in terms  of | A cone has a slanted height of and a curved surface area of Find the volume of the cone, giving your answer to 3 significant figures. | | A cylinder has a height of and a radius of . A sphere has a radius of . The volume of the cylinder and the sphere are equal. Find the value of . | |