Volume and Surface Area Revision

(a)	(b)	(c)		(d)
The volume of a cuboid is $320 \ cm^3$. Its height is $16 \ cm$ and the length is $5 \ cm$. Find the width of the cuboid.	Find the surface area of a cube with side length 8.5 cm.	The volume of the prism is $264 cm^3$. Find x .		Find the surface area of this prism. 8 cm 17 cm 15 cm
(e)	(f)	(g)		(h)
Find the volume of the cylinder, giving your answer to 3 significant figures. 12 cm 9 cm	Find the total surface area of the cylinder, leaving your answer in terms of π .	The volume of a sphere is $288\pi\ cm^3$. 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 π .	A cone has a slanted height of $10\ cm$ and a curved surface area of $60\pi\ cm^2$. Find the volume of the cone, giving your answer to 3 significant figures.		A cylinder has a height of $16 cm$ and a radius of $x cm$. A sphere has a radius of $2x cm$. The volume of the cylinder and the sphere are equal. Find the value of x .	