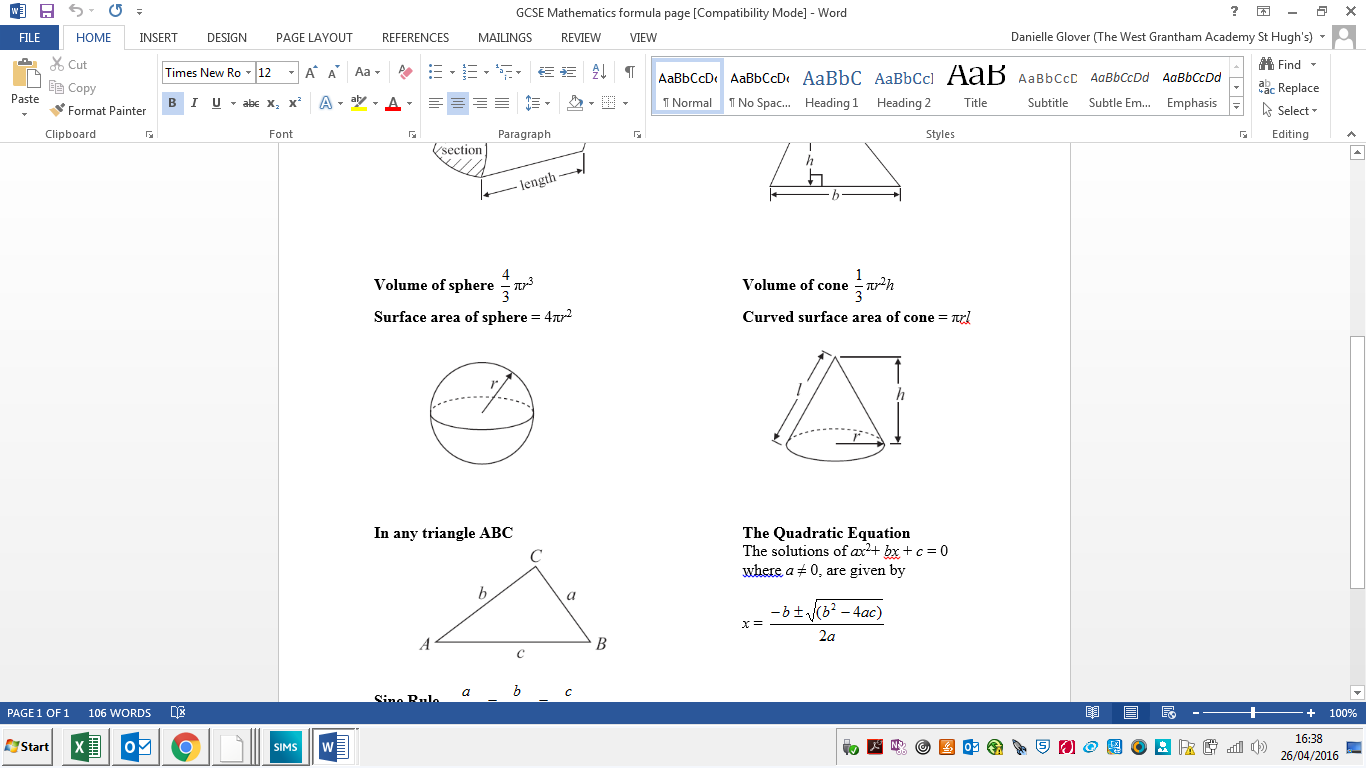
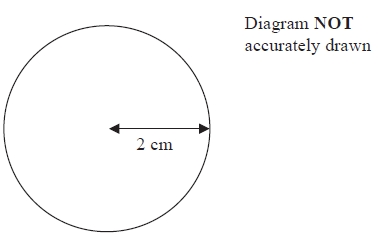
A picture containing drawing

Description automatically generated**Density Extension Question**

The diagram shows a solid wooden sphere.



The radius of the sphere is 2 cm.   
The mass of the sphere is 45 grams.

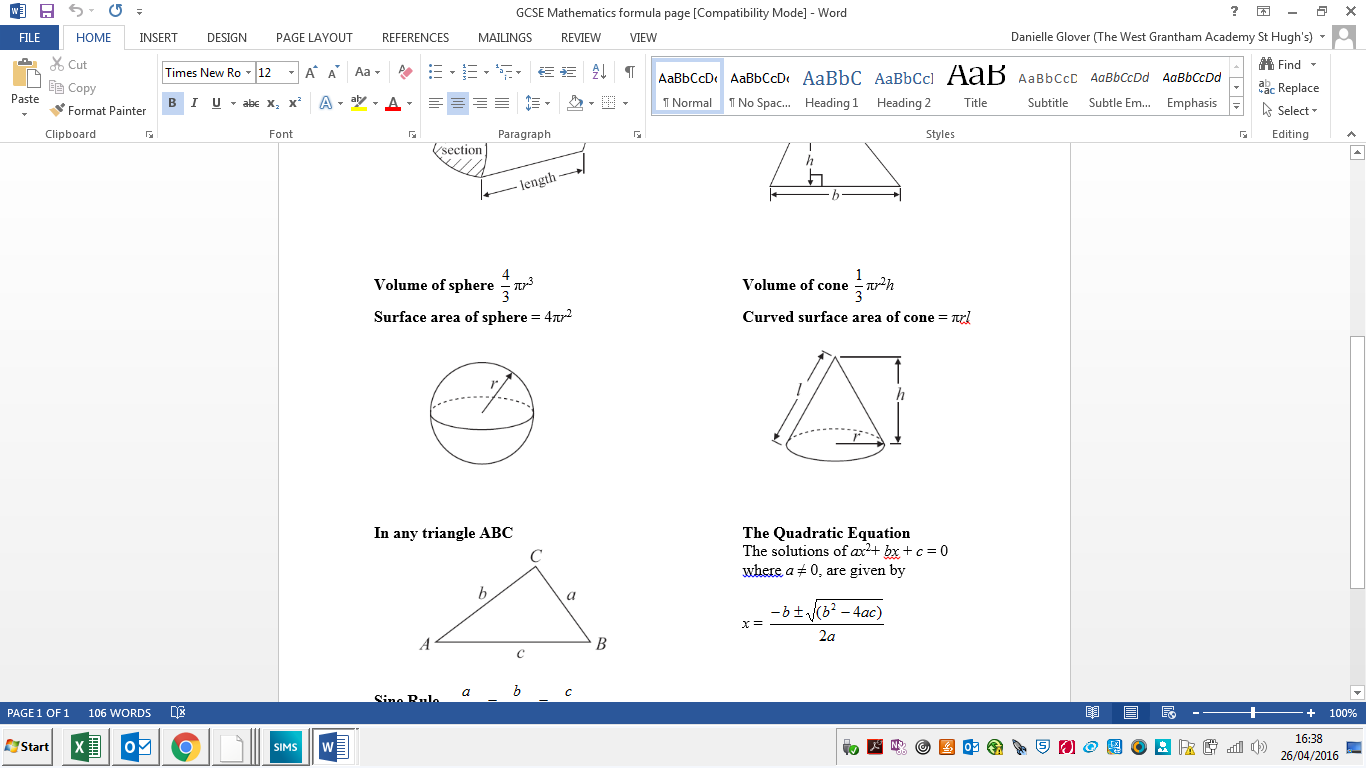
Wood will float on the Dead Sea only when the density of the wood is less than 1.24 g/cm3.

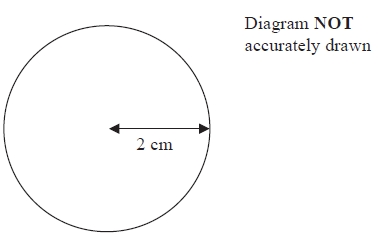
Will this wooden sphere float on the Dead Sea?

**(Total for Question is 4 marks)**

A picture containing drawing

Description automatically generated**Density Extension Question**

The diagram shows a solid wooden sphere.



The radius of the sphere is 2 cm.   
The mass of the sphere is 45 grams.

Wood will float on the Dead Sea only when the density of the wood is less than 1.24 g/cm3.

Will this wooden sphere float on the Dead Sea?

**(Total for Question is 4 marks)**