

Name: _____ Grade: 9/ _

Nos: ____ Period: ____ Show clear working in your notebook

1. Shown is a sphere with radius 8cm.



Calculate the surface area of the sphere.

Give your answer to 1 decimal place. Answer:cm²

2. Shown is a sphere with diameter 10cm



Calculate the surface area of the sphere.

Give your answer to 1 decimal place.

Answer:cm²

3. Shown is a sphere with radius 6cm.



Calculate the surface area of the sphere.

Give your answer in terms of π Answer: π cm

4. A sphere has radius 5cm.

Calculate the surface area of the sphere.

Give your answer to 1 decimal place. Answer:cm²

5. A sphere has surface area 800cm
- ²



Calculate the radius of the sphere, x.

Answer:cm²

6. A sphere has surface area 3600
- π
- cm
- ²
- .



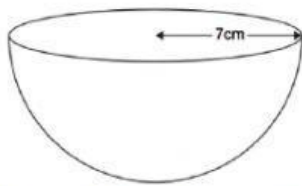
Calculate the radius of the sphere, x.

Answer:cm²

For question 1-8: Kindly drag and drop your answers appropriately from the table below;

461.8	7.98	804.2	30
114	6.3	314.159	34.2

7. Shown below is a hemisphere.



Calculate the surface area of the hemisphere.

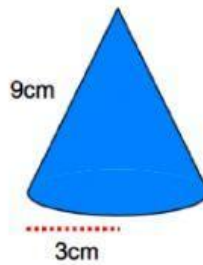
Answer:cm²

8. Shown below is a sphere, cone and cube.

The surface area of the sphere is equal to the sum the surface areas of the cone and cube. Given that Surface area of a cube is $6a^2$.



Find Y



Answer:cm²

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