SWCS MATHS SA of a sphere: $4\pi r^2$

Name: _____ Grade: 9/_

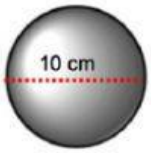
Nos: ___ Period: __ Show clear working in your notebook

1. Shown is a sphere with radius 8cm.

Calculate the surface area of the sphere.

Give your answer to 1 decimal place. Answer: .....cm^2

2. Shown is a sphere with diameter 10cm



Calculate the surface area of the sphere.

Give your answer to 1 decimal place.

Answer: .....cm^2

3. Shown is a sphere with radius 6cm.

Calculate the surface area of the sphere.

Give your answer in terms of π Answer: .....πcm

4. A sphere has radius 5cm.

Calculate the surface area of the sphere.

Give your answer to 1 decimal place. Answer: .....cm^2

5. A sphere has surface area 800cm^2

Calculate the radius of the sphere, x.

Answer: .....cm^2

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

Calculate the radius of the sphere, x.

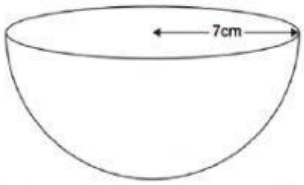
Answer: .....cm^2

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

LIVEWORKSHEETS

7. Shown below is a hemisphere.



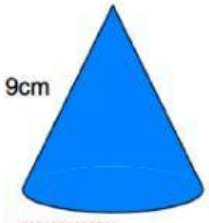
Calculate the surface area of the hemisphere.

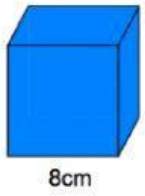
Answer: ….....cm^2

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: ….....cm^2

Key code: yq5h35faqs4 Ig: amb_ojo_oluwole_godspower
Email: oluwolebishop@gmail.com Line: gpower11 By: Mr Ojo Ezekiel

LIVEWORKSHEETS