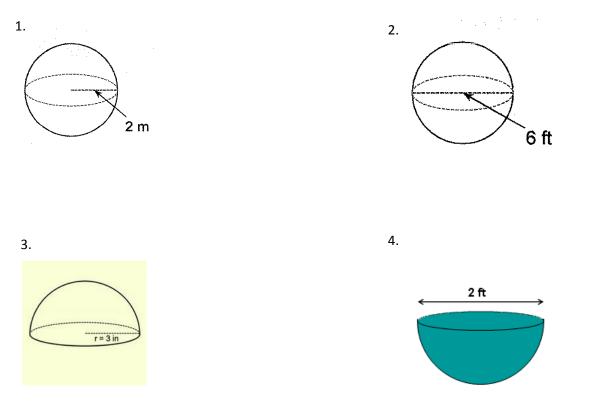
Find the surface area of the solids below.



5. Scientists construct a biodome to perform experiments on an ecosystem. If the biodome is in the shape of a hemisphere, how much surface area material would be needed if the scientists wanted to create a dome with a diameter of 150 yds?



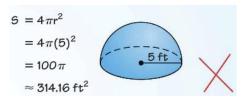
6. The surface area of a sphere is  $196\pi$  square inches. Find the radius of the sphere.



7. The surface area of a hemisphere is  $48\pi$  square inches. Find the radius of the sphere.

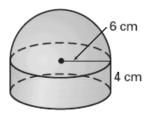


8. Describe and correct the error in finding the surface area of a hemisphere with radius 5 feet.

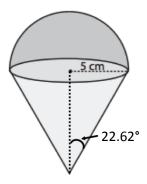


Find the area of the composite solid

9. Keep answer exact.



10. Round approximate answer to the nearest thousandth.



8) Formula for a sphere was used  $75\pi \approx 235.62 ft^2$  9)  $156\pi \approx 490.09 cm^2$  10)  $\approx 115\pi \approx 361.283 cm^2$