

Geometry – Perimeter, Area, Surface Area, and Volume Worksheet

Name: _____ Hour: _____ Date: _____

1. Find the length of a rectangle with width of 9cm and an area of $54cm^2$.
2. Find the volume of a sphere with a radius of 7ft.
3. Find the height of a triangle with an area of $88in^2$ and base of 16in.
4. Find the area of the circle with a radius of 9mm.
5. Find the surface area of a cube with a side length of 4m.
6. Find the radius of the short axis of an ellipse if the area is $66\pi in^2$ and the radius of the long axis is 11 in.
7. Find the height of a cylinder with a volume of $112\pi cm^3$ and a radius of 4 cm.
8. Find the base area of a pyramid with a volume of $\frac{160}{3} cm^3$ and height of 8 cm.
9. Find the base of the triangle with height of 7m and an area of $42m^2$.
10. Find the surface area of the cylinder with height of 10cm and radius of 3cm. Leave your answer in terms of pi.