Assignment 3

1. A rectangle has a length of 6 units and a width of 3 units. If it is scaled by a factor of 2, what will be the new dimensions of the rectangle?

2. A right triangle has a base of 3 units and a height of 4 units. What is the length of the hypotenuse?

3. A circle has a radius of 5 units. What is the area of the circle?

4. A square has a side length of 7 units. What is the area of the square?

5. A parallelogram has a base of 8 units and a height of 4 units. What is the area of the parallelogram?

6. A trapezoid has bases of 5 units and 10 units and a height of 3 units. What is the area of the trapezoid?

7. A triangle has a base of 10 units and a height of 6 units. What is the area of the triangle?

8. A cylinder has a radius of 4 units and a height of 8 units. What is the volume of the cylinder?

9. A sphere has a radius of 3 units. What is the surface area of the sphere?

10. A cone has a radius of 5 units and a height of 12 units. What is the volume of the cone?