1. Write a program that calculates the area of a circle given its radius.

2. Write a program demonstrate the difference between floor() and int() methods.

3. Write a program to create app that can convert degrees to radians and vice versa using degrees() and radians() function from math module.

4. Write a program that finds the greatest common divisor (GCD) of two numbers using gcd() method.

5. Write a program that converts a temperature from Celsius to Fahrenheit or vice versa.

Trigonometry and Geometry:

1. Write a program that calculates the hypotenuse of a right-angled triangle given its two legs. [Formula: $\sqrt{(a2 + b2)}$]

2. Write a program that determines the angle of elevation of a projectile given its initial

velocity and distance traveled. Formula: where 'g'=9.8, d='distance', v='initial velocity $\theta = \arcsin\left(\frac{g \cdot d}{v^2}\right)$

3. Write a program that calculates the area of a triangle given its base and height.

Formula: area = (1/2) · b · h

4. Write a program that determines the distance between two points in a 2D plane. Formula:

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$