

Assignment: Area Calculation Using Python

Question 1: Area of Circle

Formula: $\text{Area} = \pi \times r^2$

Python Code:

```
import math
r = float(input("Enter radius: "))
area = math.pi * r * r
print("Area of Circle =", area)
```

Question 2: Area of Square

Formula: $\text{Area} = \text{side}^2$

Python Code:

```
side = float(input("Enter side: "))
area = side * side
print("Area of Square =", area)
```

Question 3: Area of Triangle

Formula: $\text{Area} = 0.5 \times \text{base} \times \text{height}$

Python Code:

```
base = float(input("Enter base: "))
height = float(input("Enter height: "))
area = 0.5 * base * height
print("Area of Triangle =", area)
```

Conclusion:

This assignment calculates areas using Python by taking user input and applying formulas.