

Q9 = """Inheritance: By using the concept of inheritance write a python program to find the area

of triangle, circle and rectangle."""

```
print(Q9)
```

```
import math
```

```
def area_of_triangle(base, height):
```

```
    return 0.5 * base * height
```

```
def area_of_circle(radius):
```

```
    return math.pi * radius ** 2
```

```
def area_of_rectangle(length, width):
```

```
    return length * width
```

```
# Example usage:
```

```
print("Area of triangle:", area_of_triangle(5, 10)) # base=5, height=10
```

```
print("Area of circle:", area_of_circle(7)) # radius=7
```

```
print("Area of rectangle:", area_of_rectangle(4, 8)) # length=4, width=8
```

Inheritance: By using the concept of inheritance write a python program to find the area

of triangle, circle and rectangle.

Area of triangle: 25.0

Area of circle: 153.93804002589985

Area of rectangle: 32