In [1]:
```
from cogs import calculate_cogs_score
from salaries import calculate_salary_score
from rent import calculate_rent_score
from advertise import calculate_advertising_score
from op_expenses import calculate_op_expenses_score
from office_expenses import calculate_office_expenses_score
from gp import calculate_gp_score
```

In [2]:
```
ratio = 0.1
print("ratio = ", ratio, " Salary Score = ",calculate_salary_score(ratio))
print("ratio = ", ratio, " COGS Score = ",calculate_cogs_score(ratio))
print("ratio = ", ratio, " Rent Score = ",calculate_rent_score(ratio))
print("ratio = ", ratio, " Advertise Score = ",calculate_advertising_score(ratio))
print("ratio = ", ratio, " OP Expenses Score = ",calculate_op_expenses_score(ratio))
print("ratio = ", ratio, " Office Expenses Score = ",calculate_office_expenses_score(rati
print("ratio = ", ratio, " GP Score = ",calculate_gp_score(ratio))
```

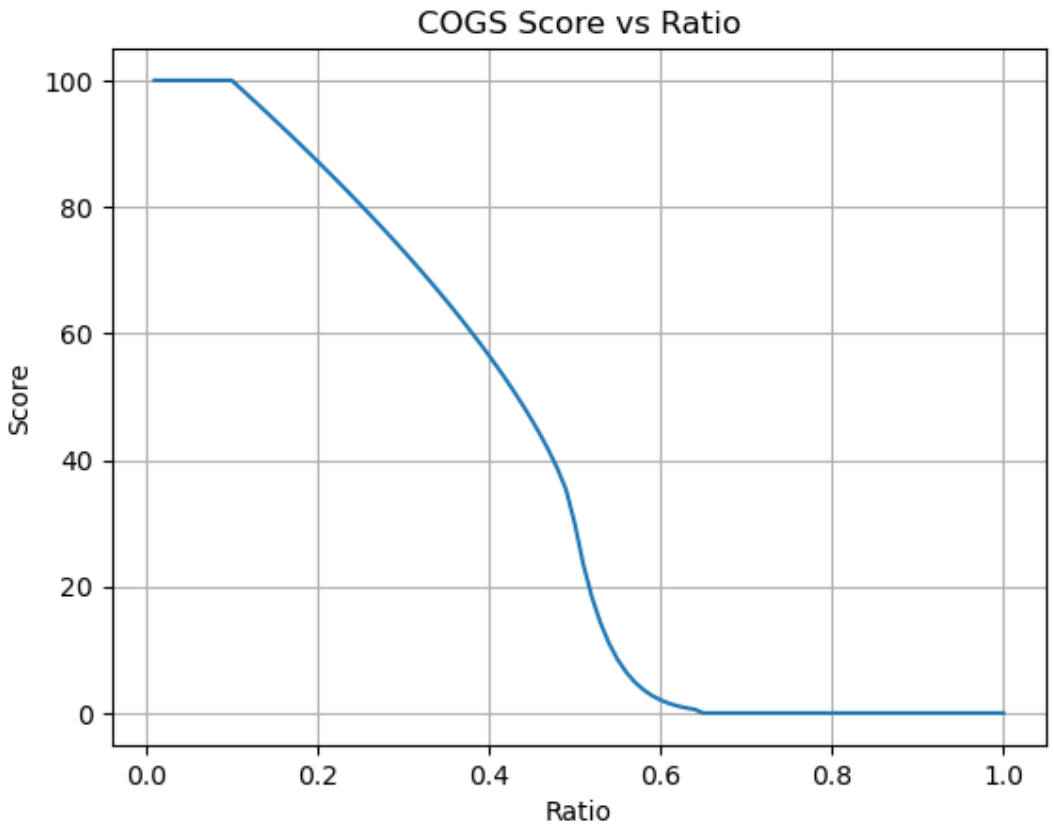
```
ratio =  0.1  Salary Score =  0
ratio =  0.1  COGS Score =  100
ratio =  0.1  Rent Score =  0
ratio =  0.1  Advertise Score =  70.71
ratio =  0.1  OP Expenses Score =  100
ratio =  0.1  Office Expenses Score =  0
ratio =  0.1  GP Score =  21.67955195232065
```

In [3]:
```
import matplotlib.pyplot as plt

# Generate data
ratio = [0.01, 0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.1, 0.11, 0.12, 0.13, 0.1
```

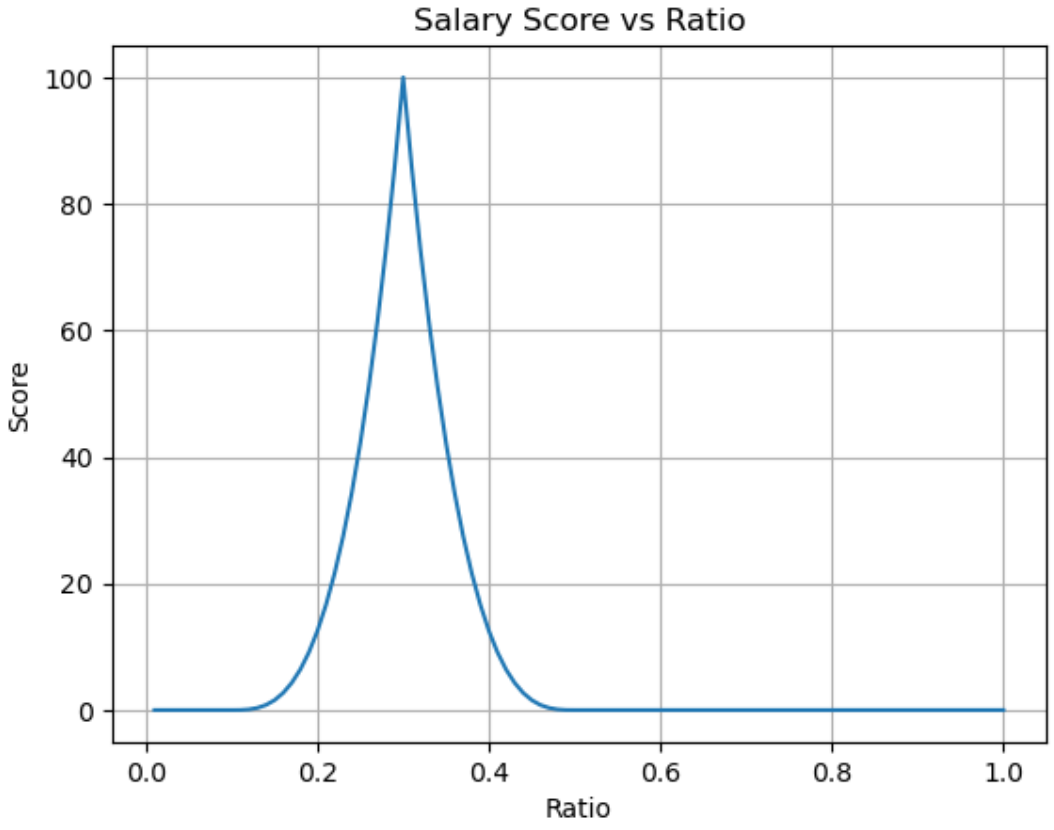
# Plots

In [ ]:
```
```

In [4]:
```
scores = [calculate_cogs_score(r) for r in ratio]

# Plot data
plt.plot(ratio, scores)
plt.xlabel("Ratio")
plt.ylabel("Score")
plt.grid(True)
plt.title("COGS Score vs Ratio")
plt.show()
```

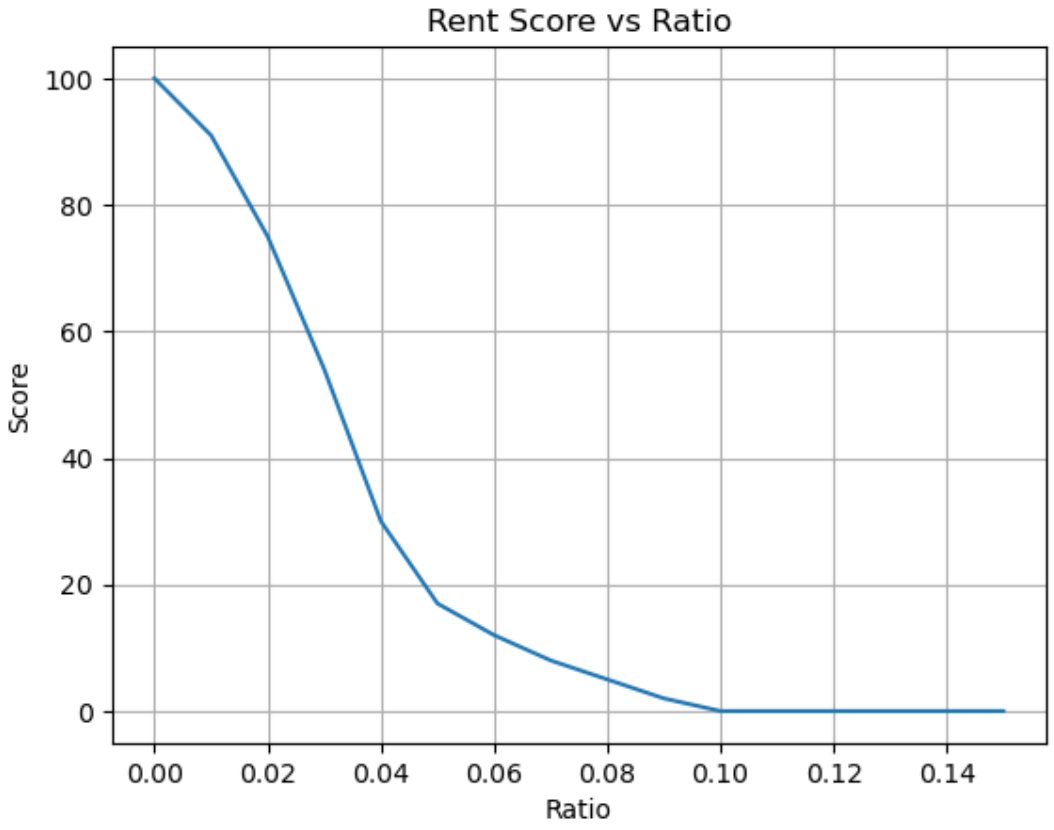



In [5]:
```
scores = [calculate_salary_score(r) for r in ratio]

# Plot data
plt.plot(ratio, scores)
plt.xlabel("Ratio")
plt.ylabel("Score")
plt.grid(True)
plt.title("Salary Score vs Ratio")
plt.show()
```

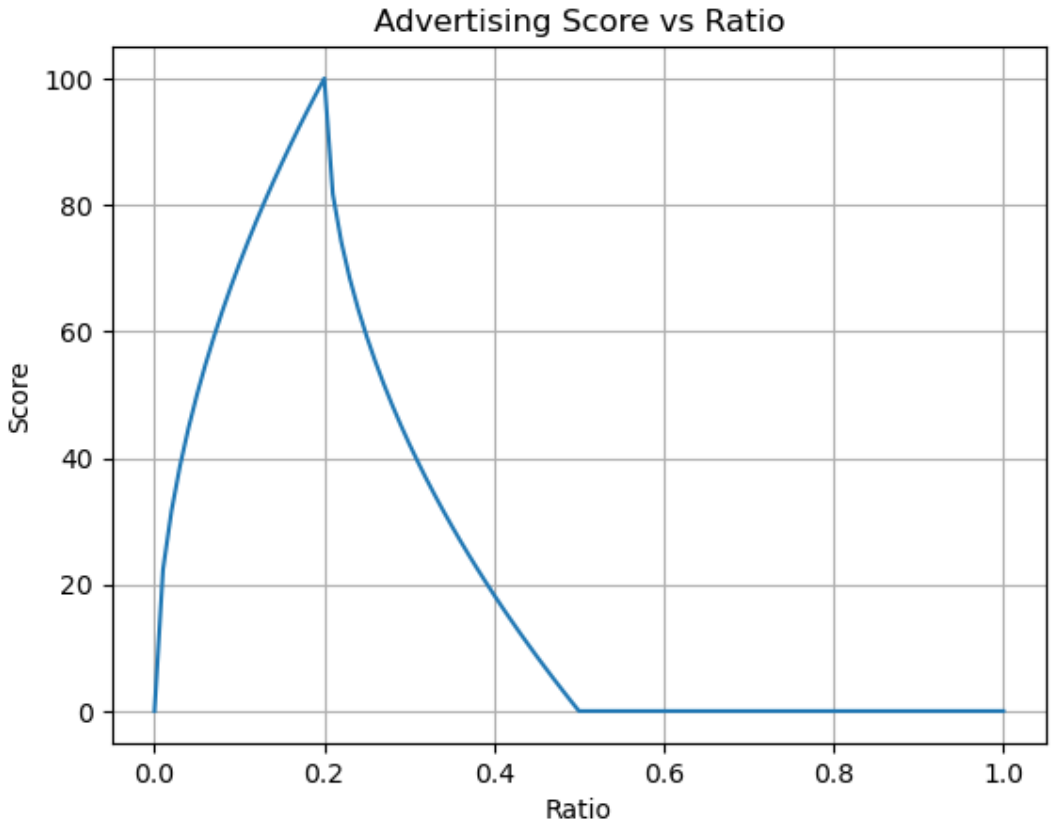


In [ ]:

In [6]:
```
ratio1 = [0,0.01, 0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.1, 0.11, 0.12, 0.13,
scores = [calculate_rent_score(r) for r in ratio1]

# Plot data
plt.plot(ratio1, scores)
plt.xlabel("Ratio")
plt.ylabel("Score")
plt.grid(True)
plt.title("Rent Score vs Ratio")
plt.show()
```



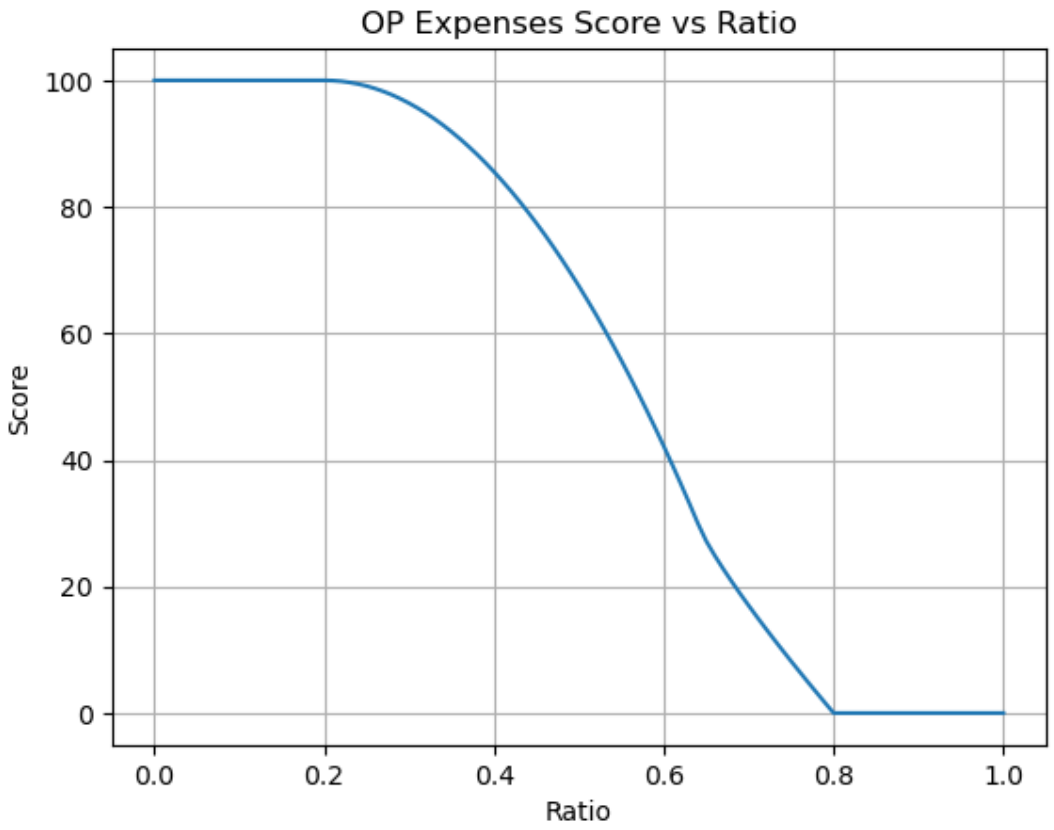

In [7]:
```
ratio = [0,0.01, 0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.1, 0.11, 0.12, 0.13, 0

scores = [calculate_advertising_score(r) for r in ratio]

# Plot data
plt.plot(ratio, scores)
plt.xlabel("Ratio")
plt.ylabel("Score")
plt.grid(True)
plt.title("Advertising Score vs Ratio")
plt.show()
```



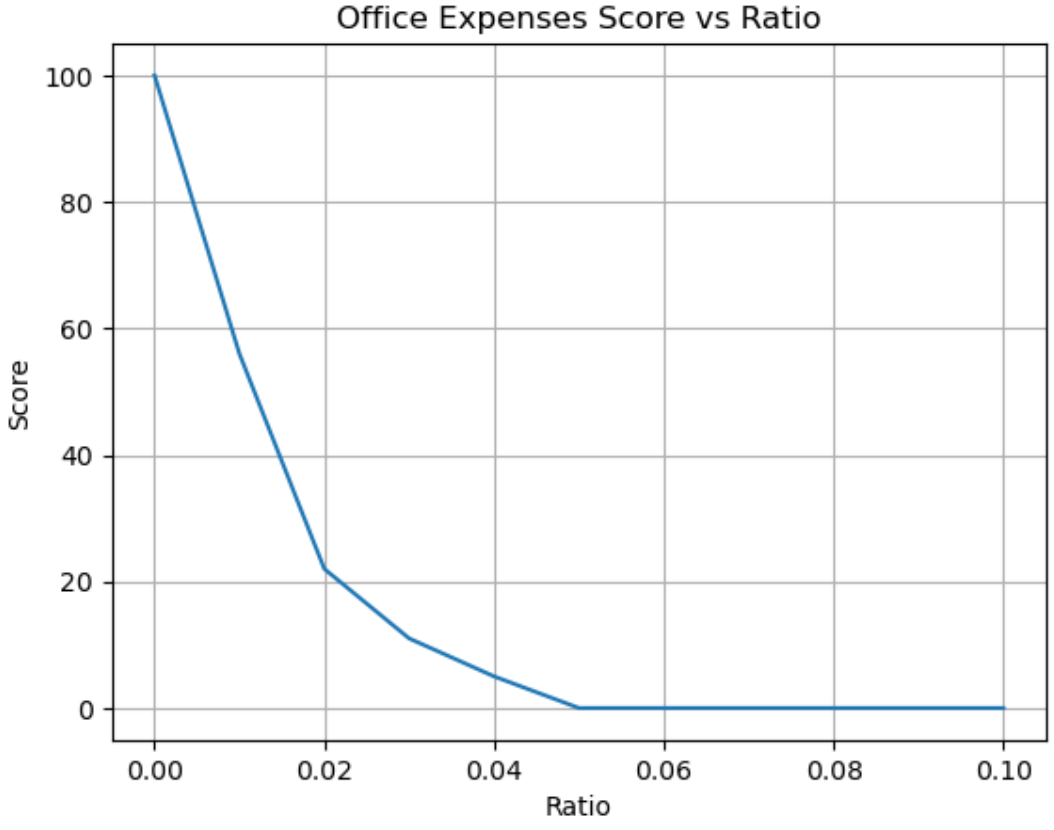

In [8]:
```
calculate_advertising_score(0)
```

Out[8]:
```
0
```

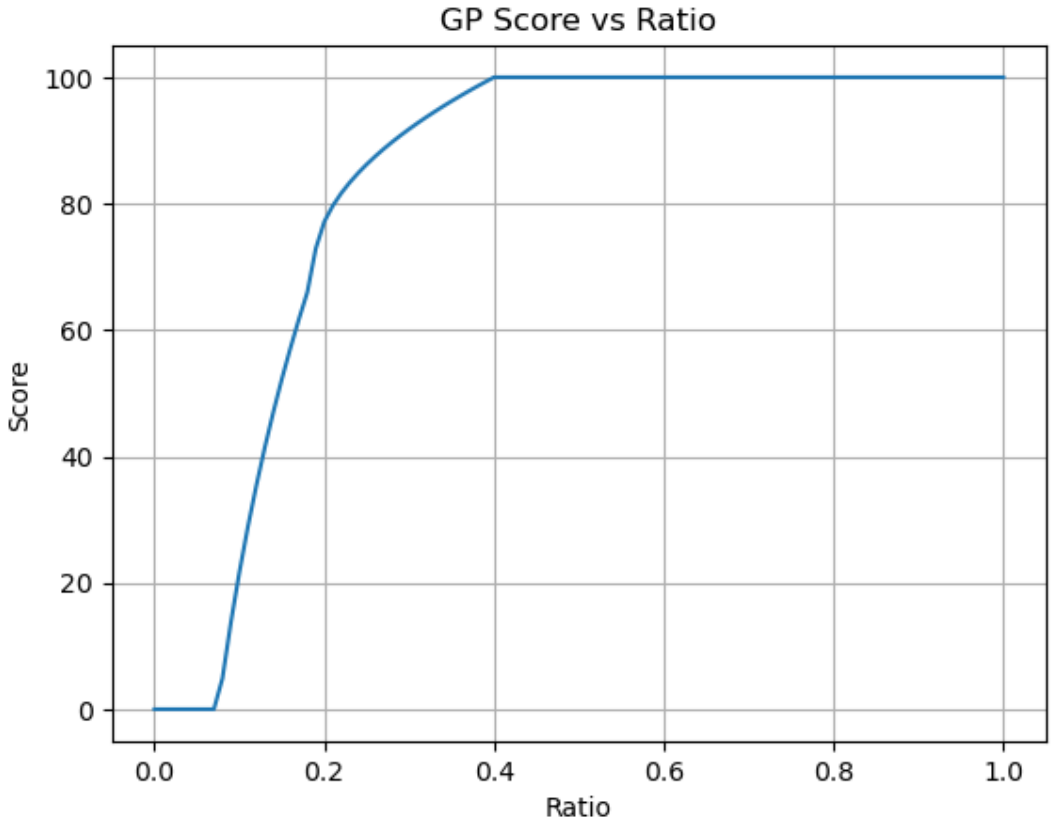
In [9]:
```
scores = [calculate_op_expenses_score(r) for r in ratio]

# Plot data
plt.plot(ratio, scores)
plt.xlabel("Ratio")
plt.ylabel("Score")
plt.grid(True)
plt.title("OP Expenses Score vs Ratio")
plt.show()
```




In [10]:
```
ratio2 = [0,0.01, 0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.1]
scores = [calculate_office_expenses_score(r) for r in ratio2]

# Plot data
plt.plot(ratio2, scores)
plt.xlabel("Ratio")
plt.ylabel("Score")
plt.grid(True)
plt.title("Office Expenses Score vs Ratio")
plt.show()
```



In [11]:
```
scores = [calculate_gp_score(r) for r in ratio]

# Plot data
plt.plot(ratio, scores)
plt.xlabel("Ratio")
plt.ylabel("Score")
plt.grid(True)
plt.title("GP Score vs Ratio")
plt.show()
```




In [ ]:

In [ ]: