

In []:

Homework 1

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Problem 1

In []:

```
class Problem1:  
    def __init__(self):  
        self.q_times = [3, 4, 3, 3]  
        self.time = [5, 10, 6, 9]  
        self.den = 30  
        self.num = 0  
  
    for i in range(len(self.q_times)):  
        self.num += self.q_times[i] * self.time[i]  
  
    print(f"{self.num}/{self.den:.3f} minutes")  
  
x = Problem1()
```

3.333 minutes

Problem 2, 3, 4

See the excel sheet. The problem asks for it to be solved by hand or non-simulation methods.