Question 2 40 pts

Consider the relational schema below:

```
Students(<u>sid: integer</u>, sname: string, major: string)
Courses(<u>cid: string</u>, cname: string)
Enrollment(<u>sid: integer, cid: string</u>, grade: real)
```

Write a tuple relational calculus expression that satisfies this query?

• Find the distinct names of all students who major in either "Math" or "Economics" who score less than 60% in either course 91.574 or in course 14.501 (using cid).

Submit your answer as a file attachment. You may write the answer in pencil and take a picture and submit that picture.

Be sure to put your name into your submission file.

Name: Jinwei Zhang

Answer:

{S. Sname | Students (S)
$$\Lambda$$
 Enrollment (e) Λ S. Sid = e. Sid Λ (s. major = 'Math' V s. major = 'Economics')
$$\Lambda (e. cid = '91.574' v e. cid = '14.501') \Lambda e. grade < 60$$
}