

**CSC 292/572 Mobile Visual Computing, Fall 2022
Student Information Sheet, A0**

Due on 11:30 AM Sept. 9

Name:

Major:

Minors (if any):

Graduation (month/year):

Why are you enrolled in this course? What do you expect to learn from this course?

Did it make it easier in your decision making that we have no hard prerequisite?

What are your career objectives as far as you know right now?

Note: you will still get all 3 points even if you don't get any of the questions below right. They are meant to help you assess your background.

Linear Algebra:

What's the result of multiplying the following two matrices?

$$\begin{bmatrix} 1,2,3 \\ 1,3,4 \\ 2,1,0 \end{bmatrix} \times \begin{bmatrix} 1,2,0 \\ 2,0,1 \\ 0,3,1 \end{bmatrix}$$

What's the result of the following multiplication?

$$\begin{bmatrix} 1,2,3 \\ 1,3,4 \\ 2,1,0 \end{bmatrix} \times [1,2,0]^T$$

Solve the following system of linear equations:

$$\begin{bmatrix} 2,3 \\ 4,9 \end{bmatrix} \times [x,y]^T = [6,15]^T$$

Calculus:

What's the result of this integration?

$$\int_2^4 x dx$$

If $y = 2x$, what's dy/dx ?

Geometry:

What's the length of EC?

