

Student grading in
this color.

Name Sample Student

Sample Quiz
Math 2210Q, Section 8

(1) Compute

$$\begin{bmatrix} 1 & -1 \\ 2 & 2 \end{bmatrix} \cdot \begin{bmatrix} -3 & 1 \\ 0 & 1 \end{bmatrix}.$$

Point values will be based on a rubric I provide. 20. -3

$$= \begin{bmatrix} 1(-3) & -1(1) \\ 2(-3) & 2(1) \end{bmatrix} = \begin{bmatrix} -3 & -1 \\ -6 & 2 \end{bmatrix}.$$

This is not correct. I multiplied entries together instead of multiply "a row down a column."

The correct answer is

$$\begin{bmatrix} 1(-3) + (-1)0 & 1 \cdot 1 + (-1)1 \\ 2(-3) + 2 \cdot 0 & 2 \cdot 1 + 2 \cdot 1 \end{bmatrix} = \begin{bmatrix} -3 & 0 \\ -6 & 4 \end{bmatrix}.$$

Reflection: Matrix multiplication made sense when we did it in class. I used my computer to do all the matrix multiplication on the homework, so I don't think I really learned how the process worked. Going forward I'm going to pay more attention when I do the homework and start meeting with a couple people who sit near me to study.