Name _____

CSCI 332, Fall 2025
Quiz 9

1. After you have completed *Minimize Time on GrassLearn: Recursive Definition*, answer the following.

   (a) *In English*, what does your recursive definition for choice 1 (skip question j) mean? Fill in the blanks.

   > If we skip question j, then the minimum minutes needed to earn i points using questions j through n is equal to the minimum minutes needed to earn _____ points using questions _____ through _____.

   (b) *In English*, what does your recursive definition for choice 2 (answer question j correctly) mean? You write this one yourself.

   > If we answer question j correctly,

2. After you have completed *Minimize Time on Grasslearn: Evaluation Order*, answer the following.

   (a) Fill in the first two rows of table below with the $MinMinutes(i, j)$ values for the input $Points = [2, 4, 5, 3]$, $TimeNeeded = [1, 2, 6, 4]$, and $p = 5$.

(b) How did you think through the evaluation order (inner and outer for loops)?