## Instructions for Learning Gain Scores

You must calculate a learning gain score for each individual student. When an individual student has scored higher on their post-test than they did on their pre-test (which is the common case), you must use the first formula given below to determine their individual gain score. When a student scores lower on their post-test than they did on their pre-test, you must use the second formula given below to calculate their individual gain score. Once you have figured every students' gain score, you must calculate the average gain scores for the class.

## Formula for positive gain (i.e., when an individual student scores higher on their post-test <br> than on their pre-test): (Post-assessment - Pre-assessment) (100\% - Pre-assessment) <br> Where: pre-assessment is the percent correct on pre-unit assessment post-assessment is the percent correct on the post unit assessment percentage points that they could have gained. percentage points that they could have gained. Thus, they gained .45 ( or $45 \%$ ) of the possible Thus, they gained .45 ( or $45 \%$ ) of the possible percentage points they could have gained from percentage points they could have gained from pre to post assessment.

 pre to post assessment.}Formula for negative gain (i.e., when an individual student scores higher on their pre-test than on the post test):

Ex for student \#2 below: $50-75 \quad-25$

(note: student scores below are in percentage correct)


