

Rubric for Assessments with no initial grade followed by corrections

| Score | Initial conceptual understanding | Initial skill level | Use of comment and effort to improve work | Final solution |
|--------------|--|--|--|--|
| 3 | Solution shows excellent conceptual understanding by making correct connections, showing complete justification and/or explanation of question and problem and possibly goes beyond. Intuition and/or creativity in problem solving have been utilized and connection to other problems done in class has been made. | All skills required to solve the problem are completed to the highest standard and work shown is correct and shows mastery of the concept. | Student is able to successfully use comment to improve their work and correct initial errors. Independently works to find errors and correct work on paper while in class. Motivated by the learning. | Clearly written solution with full work shown, correct answer, justification, graphs and diagrams. Comments should be made about original errors student made (if there was one) and how they came to realize their mistake. |
| 2 | Solution shows good conceptual understanding by making some connections to problems we have done for hw, but a full connection is lacking. | There are minor errors in the skills needed to solve the problem. | Student erroneously “corrects” something that is correct, attempts to correct an error but fails, reads comment but does not know what to do, or how to use the information and asks for help from the teacher. | Small, careless errors remain in final submission or conceptual explanation remains unsatisfying or “surface” explanation. |
| 1 | Major misconceptions are shown but an attempt is made to solve the problem. | Evidence of major mathematical errors in the skills needed to solve the problem. | Little effort goes into making the corrections from the feedback given and does not make use of time in class to the best of his/her ability. Student does not complete all corrections for problems on which feedback is given. | Final solution still contains errors and description of justification of answer is incorrect on many levels. |
| 0 | The problem was blank | The problem was left blank | Student did not read the comments or there is no evidence that he/she used them at all in making the corrections. | There was no final solution shown on the corrections. |

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A perfect score on each problem would be a 12 (3 in each category) - Final score for each problem on assessment is the sum (0-3) in each category.

All corrections are done in class.