## Qualitative Grading Rubric

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| Score | Solution Description |
| :---: | :--- |
| 10 | Perfect solution no errors. |
| 9 | Correct concept. Correct approach. One minor <br> calculation error such as failure to punch numbers <br> correctly on calculator, but all equations and setups <br> are correct. A wrong sign does not qualify because it <br> indicates a lack of understanding of sign conventions. <br> Confusions over units do not qualify. |
| 7.5 | Correct concept. Reasonable approach. As many as two <br> mistakes such as units problems, or mistakes in <br> intermediate calculations. |
| 8.25 | Intermediate value between 5 and 7.5. |
| 5 | Wrong concept. Many mistakes. |
| 2.5 | Intermediate value between 2.5 and 5. |
| 0 | Wrong concept. Solution essentially devoid of logic. |
| 2.75 |  |
|  | Nothing on the page |

Excessive irrelevant material associated with solution or disorganized presentation results in a further deduction of 2.5.

The intermediate values are not used for homework and pop quizzes.

