Displacement vs. Distance

Imagine that you are an executive in the San Francisco bay area. Make an argument to your employer requesting that they provide helicopter transportation from your home to the office. You will turn in a letter addressed to your employer making your argument. Be sure write in a style appropriate to an executive request.

The first draft of the letter must include an introduction, a body and a conclusion. You must also include definitions for vector, distance and displacement.

Your second draft will include an argument concerning speed and velocity.

The final draft must be typed.

The rubric below will be used to assess the letter. The final draft will be worth twice as many points as the rough drafts

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| **Parts of a Letter** | Advanced  2  Date, salutation, body, closing are present and written correctly (commas, capital letters, placement). | Proficient  1.5  All of the parts of a friendly letter are present and most are written correctly. | Basic  1  All of the parts are present but only some are written correctly. | Unsatisfactory  0  Only some of the parts of a friendly letter are present. |
| **Grammar, Punctuation & Spelling** | Advanced  2  Rules of grammar, usage, and punctuation are followed; spelling is correct. Language is clear and precise; sentences display consistently strong, varied structure. | Proficient  1.5  Rules of grammar, usage, and punctuation are followed with minor errors that do not detract from the readability of the work. Spelling is correct. | Basic  1  Paper contains a few grammatical, punctuation and spelling errors. | Unsatisfactory  0  Paper contains numerous grammatical, punctuation, and spelling errors. |
| **Content** | Advanced  3  Letter demonstrates thorough understanding of motion and contains clear and a persuasive argument with appropriate transitions and vocabulary. | Proficient  2  Letter clearly demonstrates basic understanding of concepts and makes a fair argument with appropriate transitions and vocabulary. | Basic  1  Letter demonstrates limited understanding of concepts of motion and/or makes a weak argument with limited use of transitions and poor vocabulary. | Unsatisfactory  0  Letter demonstrates a lack of understanding of concepts in motion and/or fails to make a cogent argument. |
| **Concepts** | Advanced  3  Calculations and concepts are clearly communicated. Vocabulary is used appropriately. | Proficient  4  Calculations are present if not clear. Vocabulary is mostly accurate | Basic  1  Calculations contain errors. Vocabulary is sometimes accurate. | Unsatisfactory  0  Calculations are absent or contain errors. Vocabulary is often inaccurate. |