



# As The Crow Flies

## Scoring Rubric - 20 Total Points

This writing assignment will be graded using the following scoring rubric.

<b>1. Physics Understanding</b>  Accurate analysis of motion in terms of vectors; accurate description of head-to-tail method; accurate vector diagram with resultant accurately drawn; direction and magnitude of resultant displacement is accurate.	<b>0 - 4</b>  Descriptions or analysis is incomplete or inaccurate; head-to-tail method is not employed accurately or resultant is not correctly drawn; fails to demonstrate a suitable understanding	<b>5 - 9</b>  Descriptions and analysis is complete and mostly accurate; errors and omissions are neither major nor abundant; demonstrates suitable understanding	<b>10</b>  Accurate and complete descriptions and analysis; head-to-tail method is used; resultant is accurately drawn and described; demonstrates perfect understanding
<b>2. Effective Diagram</b>  Produced legible and relevant vector addition diagram; scale is clearly indicated; all vectors (including resultant) are clearly labeled with both magnitude and direction.	<b>0 - 4</b>  Diagrams demonstrate severe problems with incompleteness, labels, legibility, etc.; arrowheads, labels, scale, etc. are often absent; diagram is ineffective and useless	<b>5 - 9</b>  Clear and legible labels were not consistently used; the magnitude or direction of a vector is often missing; scale and resultant is clearly indicated; virtually all vectors have arrowheads	<b>10</b>  Accurate diagram with clear and legible labels; even the resultant is labeled with both magnitude and direction; scale is indicated; all vectors have arrowheads