Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Teacher: A. Zito Lakeside Academy MYP3

**Analytical Geometry Notes**

Change in x and Change in y

Ordered Pairs: 

Delta: means change

refers to the change in

refers to the change in

Mathematically we can calculate the change in x and y between two points as follows.

|  |
| --- |
| Where we **START** and STOP **MATTERS!!!** |

Find the change in x and the change in y from to B



|  |  |  |  |
| --- | --- | --- | --- |
| **From to** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | This means that in order to move from to , we must travel 5 units to the right on the x-axis and 4 unit up on the y-axis. |

Find the change in x and the change in y from to



|  |  |  |  |
| --- | --- | --- | --- |
| **From to** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | This means that in order to move from to , we must travel 5 units to the left on the x-axis and 4 unit down on the y-axis. |