

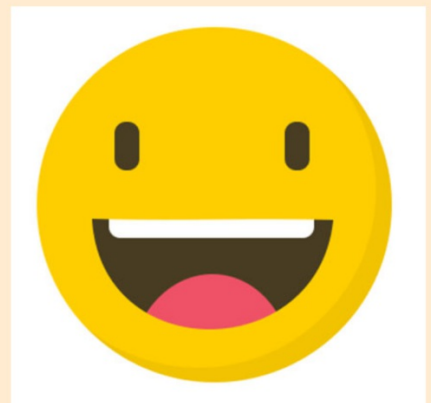
## Welcome Back MYP Math 9

### Reflect!

	Assignment Effort Grade (Circle One)	Comments (What was interesting or challenging?)
Monday Date: <b>10/16</b> Topic: <b>Vector Quiz</b>	0 1 2	
Tuesday Date: <b>10/17</b> Topic: <b>Vector Subtraction</b>	0 1 2	Realizing that subtraction is just adding a negative was revelatory!
Wednesday Date: <b>10/18</b> Topic: <b>Ms. Paulson's Halloween</b>	0 1 2	
<del>Thursday Date: _____ Topic: _____</del>	<del>0 1 2</del>	<del></del>
<del>Friday Date: _____ Topic: _____</del>	<del>0 1 2</del>	<del></del>

## Class Plan:

1. Look at the week ahead..
2. Warm-up
3. Create Your Own Problem.



## Week of 10-23 to 10-27

	Assignment Effort Grade (Circle One)	Comments (What was interesting or challenging?)
<b>Monday</b> Date: <u>10-23</u> Topic: _____	0   1   2	Workday
<b>Tuesday</b> Date: <u>10-24</u> Topic: _____	<b>Problem</b> 0   1   2 <b>DUE....</b>	Quizzes back
<b>Wednesday</b> Date: <u>10-25</u> Topic: _____	0   1   2	Orthogonal and parallel vectors
<b>Thursday</b> Date: <u>10-26</u> Topic: _____	0   1   2	Guthrie
<b>Friday</b> Date: <u>10-27</u> Topic: _____	0   1   2	Review Unit 2

## Welcome Back MYP Math 9!

### Warm Up

What do *you* like to do?



How could you make a math problem (like the one we did yesterday) out of it?

Share at your table for 2 minutes. Talk it out!

## Create Your Own Problem:

Get: Notepaper & graph paper

### Create Your Own Real World Application

#### Task:

1. Create a scenario involving 3-4 locations that you would like to go to in your problem.
2. Plot your locations on grid paper.
3. Create questions involving your travels... be creative!
  - a. Direction
  - b. Magnitude
  - c. Vector Operations
4. Create a key/solution to your problem

When done: Self Assess using the **Criterion D Real Life Applications** rubric (Give yourself a score!), then work on other homework

**Due: Tuesday, October 24th**

## Possible Questions

1) What is the *distance* between...?

2) How long was the *travel* between....?

## Self Assess using the **Criterion D Real Life Applications** rubric (Give yourself a score!)

*Many errors*

*Missing pieces/began to create a problem*

0	<ul style="list-style-type: none"> <li>has not reached a standard described by any of the descriptors given below</li> </ul>		<p><b><u>Work is missing (list missing elements)</u></b></p> <ul style="list-style-type: none"> <li>Or, Work has not reached a standard described by any of the descriptors given below</li> </ul>
1	<ul style="list-style-type: none"> <li>i. identify some of the elements of the authentic real-life situation</li> <li>ii. apply mathematical strategies to find a solution to the authentic real-life situation, with limited success.</li> </ul>		<p><b><u>Many Errors</u></b></p> <ul style="list-style-type: none"> <li>Math strategies and the key (<i>solution</i>) is provided with <b>many errors</b>.</li> <li>There is <b>an attempt</b> to explain their work.</li> </ul>
2			

## Self Assess using the **Criterion D Real Life Applications** rubric (Give yourself a score!)

### *Some errors, or not quite completed*

3	<ul style="list-style-type: none"><li>• identify the relevant elements of the authentic real-life situation</li></ul>	<p><b><u>Some Errors</u></b></p> <ul style="list-style-type: none"><li>• Math strategies include:<ul style="list-style-type: none"><li>-Create a scenario</li><li>-Plot locations</li><li>- Write questions to be answered using the scenario<ul style="list-style-type: none"><li>a. Direction</li><li>b. Magnitude</li><li>c. Vector Operations</li></ul></li></ul></li><li>• <b>A key (<i>solution</i>) on a separate piece of paper is provided with some error.</b></li><li>• There is <b><i>an attempt</i></b> to explain whether your scenario is realistic and/or accurate.</li></ul>
4	<ul style="list-style-type: none"><li>• ii. select, with some success, adequate mathematical strategies to model the authentic real-life situation</li><li>• iii. apply mathematical strategies to reach a solution to the authentic real-life situation</li><li>• iv. discuss whether the solution makes sense in the context of the authentic real-life situation.</li></ul>	



## Self Assess using the **Criterion D Real Life Applications** rubric (Give yourself a score!)

*Minor errors, or not as complex as it could be*

5	<ul style="list-style-type: none"><li>• i. identify the relevant elements of the authentic real-life situation</li><li>• ii. select adequate mathematical strategies to model the authentic real-life situation</li></ul>		<p><b>Minor Errors</b></p> <ul style="list-style-type: none"><li>• Math strategies include:<ul style="list-style-type: none"><li>-Create a scenario</li><li>-Plot locations</li><li>- Write questions to be answered using the scenario<ul style="list-style-type: none"><li>a. Direction</li><li>b. Magnitude</li><li>c. Vector Operations</li></ul></li></ul></li><li>• <b>A key (<i>solution</i>) on a separate piece of paper is provided with little error.</b></li><li>• There is a defense why we can use the Pythagorean Theorem.</li><li>• Explain whether your scenario is realistic and/or accurate.</li></ul>
6	<ul style="list-style-type: none"><li>• iii. apply the selected mathematical strategies to reach a valid solution to the authentic real-life situation</li><li>• iv. explain the degree of accuracy of the solution</li><li>• v. <u>explain</u> whether the solution makes sense in the context of the authentic real-life situation.</li></ul>		

## Self Assess using the **Criterion D Real Life Applications** rubric (Give yourself a score!)

*No errors, all parts completed*

7	<ul style="list-style-type: none"><li>• i. identify the relevant elements of the authentic real-life situation</li><li>• ii. select appropriate mathematical strategies to model the authentic real-life situation</li></ul>	<p><b>Without Errors</b></p> <ul style="list-style-type: none"><li>• Math strategies include:<ul style="list-style-type: none"><li>- Create a scenario</li><li>- Plot at least 4 locations</li><li>- Write questions to be answered using the scenario<ul style="list-style-type: none"><li>a. Direction</li><li>b. Magnitude</li><li>c. Vector Operations</li></ul></li></ul></li><li>• <b>A key (solution) on a separate piece of paper is provided without error.</b></li><li>• There is a defense of why we can use the Pythagorean Theorem.</li><li>• Justify whether your scenario is realistic and/or accurate.</li></ul>
8	<ul style="list-style-type: none"><li>• iii. Apply the selected mathematical strategies to reach a correct solution to the authentic real-life situation</li><li>• iv. justify the degree of accuracy of the solution</li><li>• v. <u>justify</u> whether the solution makes sense in the context of the authentic real-life situation.</li></ul>	

## Reflect: Why did you earn that score?

Your  
Level

\*\*\*Draw check marks in the appropriate boxes to determine your score.

**Student Reflection:**

*(Why did you earn this score?)*

Exercises...

Create Your Own Problem!