# IB Math HL1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Vectors Exit Slip Period \_\_\_\_\_ Date \_\_\_\_\_\_\_

No Calculator

1. Given  and 
2. Find  b) Find 
3. Illustrate the resultant vectors of  and  on the gird paper below.
4.  2) 



|  |  |
| --- | --- |
|  |  |



1. Given  and , , what is the value of w?

3. Consider the prism shown

|  |  |
| --- | --- |
| a. Find the vectors  and .  b. Find  c. Find the vector in direction of  with magnitude of 3 units. |  |

Using the diagram on right:

|  |  |
| --- | --- |
| 3. Write  in terms of y and z.  4. Write  a) in terms of x, k, and w.  b) in terms of y, z, and w. |  |