

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

## Vectors

Sheet 2

A) Express the vectors in terms of  $\hat{i}$  and  $\hat{j}$ .

1)  $\langle -5, -5 \rangle =$  \_\_\_\_\_

2)  $\langle 9, 10 \rangle =$  \_\_\_\_\_

3)  $\langle -6, 8 \rangle =$  \_\_\_\_\_

4)  $\langle 7, -6 \rangle =$  \_\_\_\_\_

5)  $\langle 3, 2 \rangle =$  \_\_\_\_\_

7)  $\langle 4, -3 \rangle =$  \_\_\_\_\_

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B) Write each of the

1)  $6\hat{i} + 2\hat{j} =$  \_\_\_\_\_

3)  $-9\hat{i} - 6\hat{j} =$  \_\_\_\_\_

5)  $3\hat{i} - 8\hat{j} =$  \_\_\_\_\_

6)  $-7\hat{i} + \hat{j} =$  \_\_\_\_\_

7)  $-2\hat{i} + 3\hat{j} =$  \_\_\_\_\_

8)  $-4\hat{i} - 5\hat{j} =$  \_\_\_\_\_