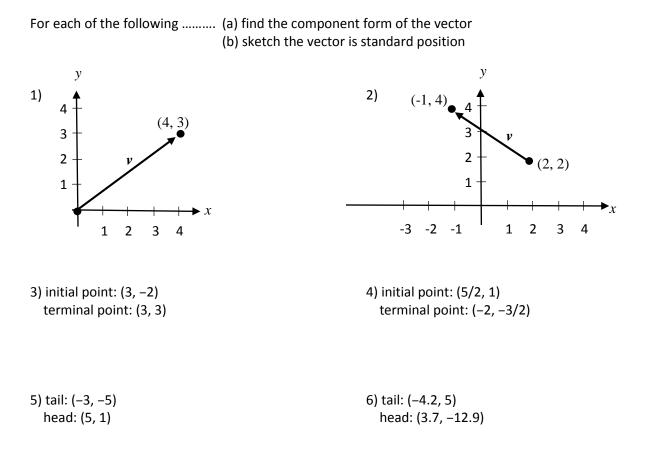
Name \_\_\_\_\_

## **Component Form of a Vector**



## **Vector Operations**

For each of the following, find: (a)  $\mathbf{u}+\mathbf{v}$  (b)  $\mathbf{u}-\mathbf{v}$  (c)  $2\mathbf{u}-3\mathbf{v}$  (d)  $\mathbf{v}+4\mathbf{u}$ 

7)  $\mathbf{u}$  =  $\langle 4,2 \rangle$  and  $\mathbf{v}$  =  $\langle 7,1 \rangle$ 

8) u = 
$$\langle -5, -2 \rangle$$
 and v =  $\langle -4, 0 \rangle$