

Component Form/Magnitude

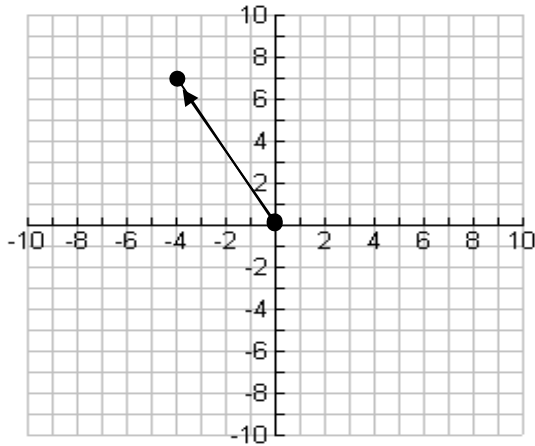
Add/Subtract/Multiply by scalar

1. **initial point:** (2, 3), **terminal point:** (-4, 5)

component form: \_\_\_\_\_

magnitude: \_\_\_\_\_

- 2.



component form: \_\_\_\_\_

magnitude: \_\_\_\_\_

Use the following to answer questions 3 and 4:  $\vec{u} = \langle -1, 4 \rangle$ ,  $\vec{w} = \langle 3, 1 \rangle$ ,  $\vec{y} = \langle 2, -7 \rangle$  to find the following

3.  $2\vec{u} + \vec{w}$  \_\_\_\_\_

4.  $3\vec{y} + 2\vec{w} - \vec{u}$  \_\_\_\_\_