

GPS PreCalculus – Daily Progress Check 7-2
Component Form/Magnitude/Direction of Vectors
Add/Subtract/Multiply by scalar

Name _____

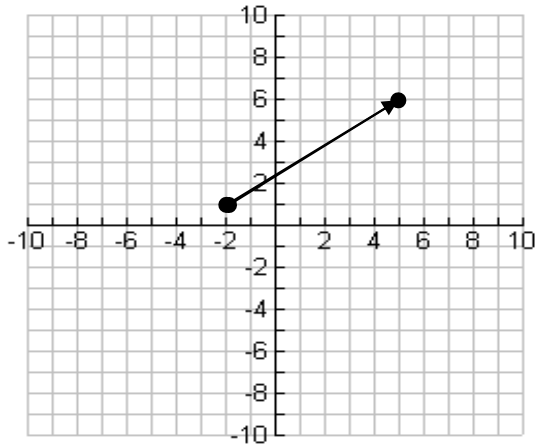
1. **initial point:** (1, 5), **terminal point:** (-2, 7)

component form: _____

magnitude: _____

direction angle: _____

- 2.



component form: _____

magnitude: _____

direction angle: _____

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

3. $2\vec{w} - \vec{y} - 3\vec{u}$ _____

Find the component form of the following vectors:

4. $\|\vec{v}\| = 3$ and $\theta = 70^\circ$ component form: _____

5. $\|\vec{v}\| = 2$ and $\theta = -60^\circ$ component form: _____