

## Vector Practice Problem

Vectors  $\vec{A}$  and  $\vec{B}$  are shown below.

- (a) Find the components of  $\vec{A}$  and  $\vec{B}$ .
- (b) Sketch out  $\vec{R} = \vec{A} - 2\vec{B}$ .
- (c) Calculate the  $x$ - and  $y$ - components of  $\vec{R}$
- (d) Calculate the magnitude and direction of  $\vec{R}$

