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

**Vector Practice**

**Find the component form, magnitude and direction for** $\rightharpoonaccent{MN}$**.**

**1. M(8,1) and N(2,5)**

 **Component Form:**

 **Magnitude:**

 **Direction:**

**2. M(-1,7) and N(6,-8)**

 **Component Form:**

 **Magnitude:**

 **Direction:**

**3. Find the magnitude and the direction of** $\rightharpoonaccent{v}=<12,-9> $

 **Magnitude: Direction:**

**4. Find the magnitude and direction of the resultant vector given** $\rightharpoonaccent{m}=\left〈-4,0\right〉$ **and** $\rightharpoonaccent{n}=\left〈7,-4\right〉$**.**

**5. Find the magnitude and direction of the resultant vector given**

**** $\rightharpoonaccent{m}=\left〈9,-10\right〉$ **and** $\rightharpoonaccent{n}=\left〈-10,-2\right〉$**.**