

Name \_\_\_\_\_

Date \_\_\_\_\_

Year Group \_\_\_\_\_

**Find the magnitude and direction of the vector**

1.  $\langle 5, -12 \rangle$

Magnitude

Steps =>  $\sqrt{\left(\text{---}\right)^2 + \left(\text{---}\right)^2}$

Steps =>  $\sqrt{\text{---} + \text{---}}$

Steps =>  $\sqrt{\text{---}}$

Answer =>  $\text{---}$

2.  $8i - 15j$

Answer =>  $\text{---}$

3.  $-2i + 6j$

Answer =>  $\text{---}\sqrt{\text{---}}$

4.  $-5i - 3j$

Answer =>  $\text{---}\sqrt{\text{---}}$