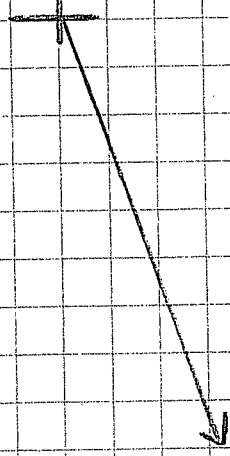
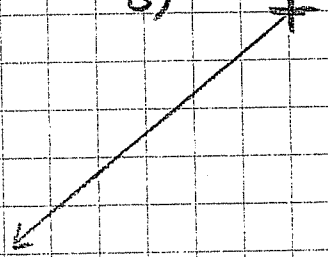
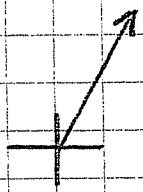
Drawing Vectors

1) Determine the magnitude & direction of each of the following

a) 

b) 

c) 

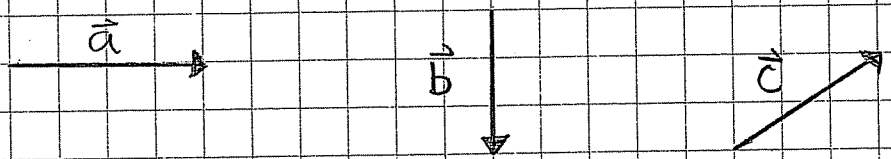
2) Draw the following vectors, and determine components

a) 7cm @ 50° [E of N]

b) 3cm @ 20° [E of S]

c) 5cm @ 30° [N of W]

Vector Worksheet



Draw:

#1 $3\vec{a}$

#2 $\vec{a} + \vec{b}$

#3 $\vec{a} - \vec{b}$

#4 $2\vec{b} + \vec{c}$

#5 $3\vec{c} - 2\vec{a}$

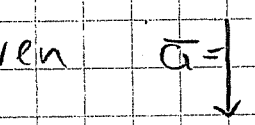
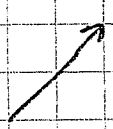
#6 $\vec{a} - 2\vec{b} - 3\vec{c}$

Vector Homework

1) Draw the following vectors

a) 8cm @ 65° [N of E]

b) 4cm @ 20° [S of W]

2) Given $\bar{a}=$  $\bar{b}=$  $\bar{c}=$ 

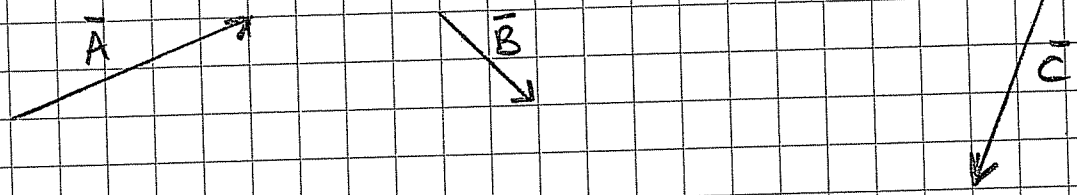
Draw

a) $\bar{a}-\bar{b}+\bar{c}$

b) $2\bar{a}+\bar{b}$

c) $-2\bar{b}-3\bar{c}$

d) $2\bar{a}+3\bar{c}$



Add the following vectors by adding components

1) $\vec{A} + \vec{C}$

2) $\vec{C} + \vec{A}$

3) $\vec{C} - \vec{A}$

4) $2\vec{B} + \vec{C}$

5) $\vec{A} - \vec{C}$

6) $\vec{C} - \vec{B}$

7) $2\vec{A} + 3\vec{B} + \vec{C}$