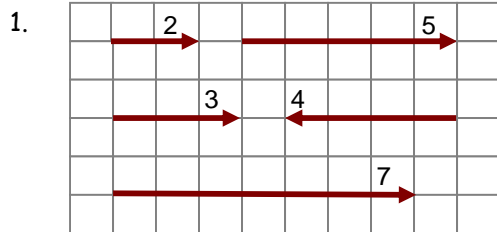


# PRÁCTICA 2

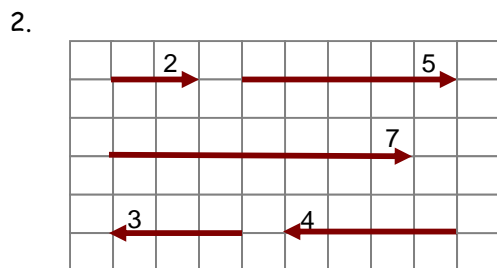
## VECTORES

### PROBLEMAS DEL TIPO "A"

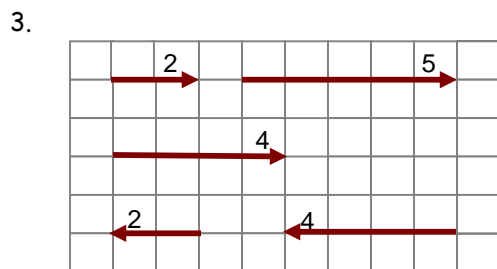
En cada caso, halle el valor de la resultante de los vectores mostrados.



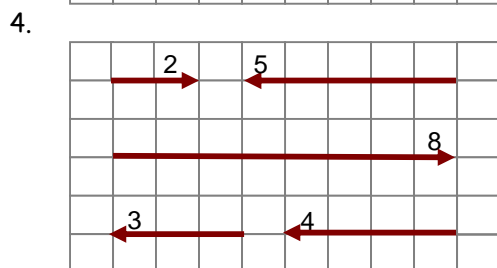
- A) 13 i
- B) -13i
- C) 10 i
- D) -10 i
- E) 8 i



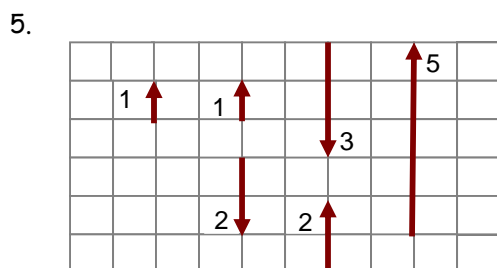
- A) 6 i
- B) -6 i
- C) 7 i
- D) -7 i
- E) 4 i



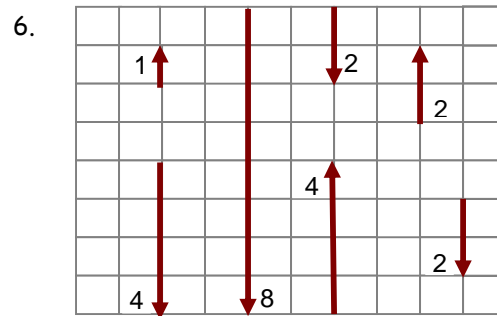
- A) 4 i
- B) -4 i
- C) 5 i
- D) -5 i
- E) 2 i



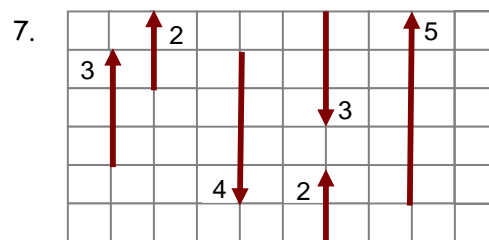
- A) i
- B) - i
- C) 2 i
- D) -2 i
- E) 3 i



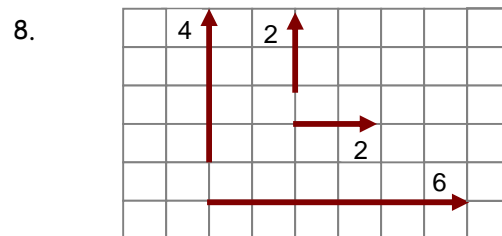
- A) 2j
- B) -2 j
- C) 3 j
- D) -3 j
- E) 4 j



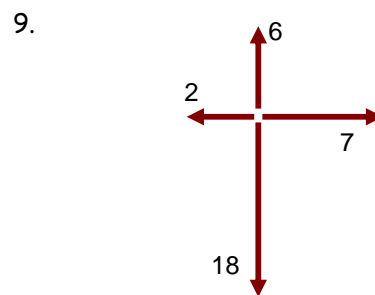
- A) 9j
- B) -9j
- C) 10j
- D) -10j
- E) -5j



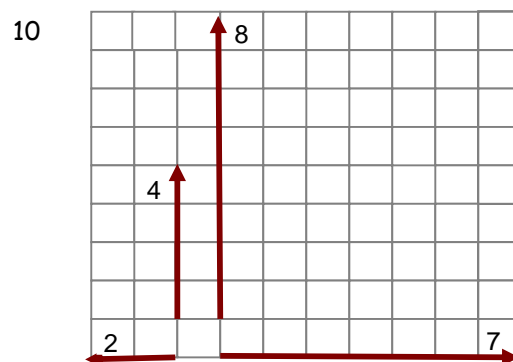
- A) 4j
- B) -4j
- C) 5j
- D) -5j
- E) -3j



- A) 15
- B) 9
- C) 10
- D) 8
- E) 6

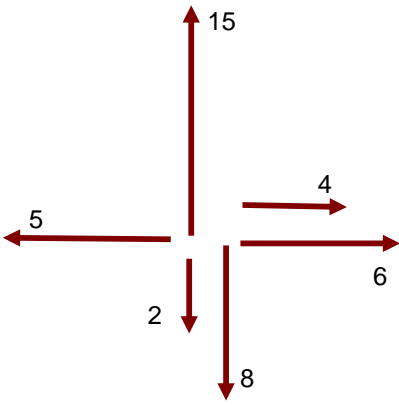


- A) 17
- B) 8
- C) 15
- D) 13
- E) 20



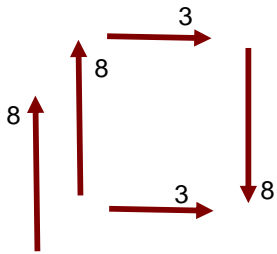
- A) 17
- B) 8
- C) 15
- D) 13
- E) 20

11.



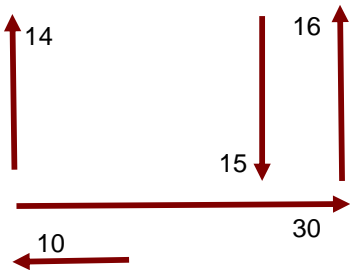
- A) 4
- B) 7
- C)  $8\sqrt{2}$
- D)  $5\sqrt{2}$
- E) 10

12.



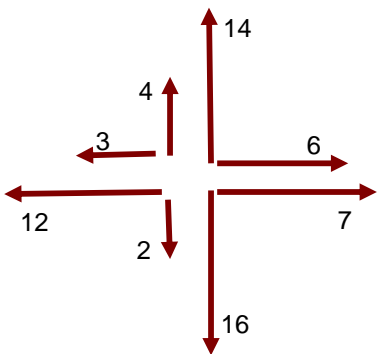
- A) 4
- B) 14
- C) 10
- D) 12
- E) 0

13.



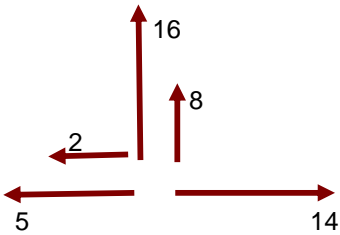
- A) 20
- B) 25
- C) 30
- D) 15
- E) 35

14.



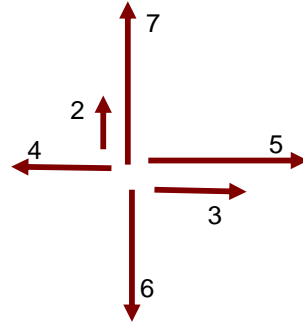
- A) 1
- B) 2
- C) 3
- D) 4
- E) 5

15.



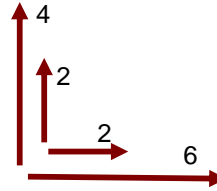
- A) 22
- B) 23
- C) 24
- D) 25
- E) 26

16.



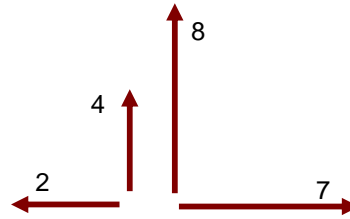
- A) 1
- B) 2
- C) 3
- D) 4
- E) 5

17.



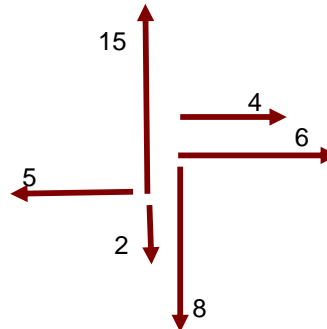
- A) 2
- B) 5
- C) 8
- D) 10
- E) 12

18.



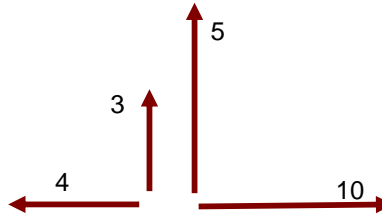
- A) 11
- B) 12
- C) 13
- D) 14
- E) 15

19.



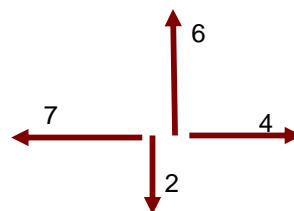
- A) 15
- B) 20
- C) 25
- D) 30
- E) 35

20.



- A) 10
- B) 20
- C) 30
- D) 40
- E) 50

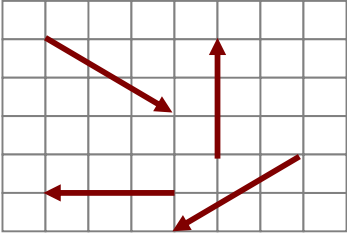
21.

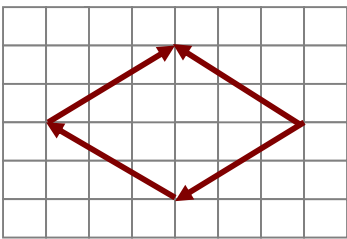


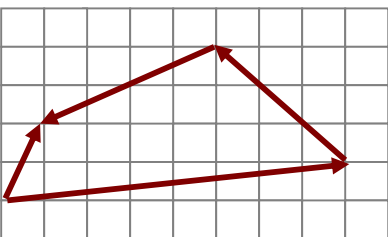
- A) 1
- B) 2
- C) 3
- D) 4
- E) 5

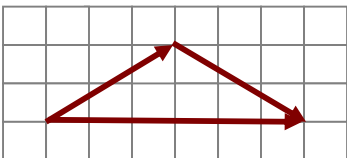
PROBLEMAS DEL TIPO "B"

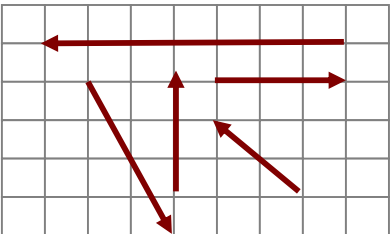
En cada caso, halle el valor de la resultante de los vectores mostrados.

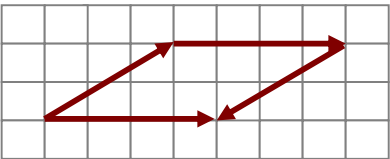
1.  A) 3,14  
B) 3,16  
C) 3,18  
D) 3,20  
E) N.A.

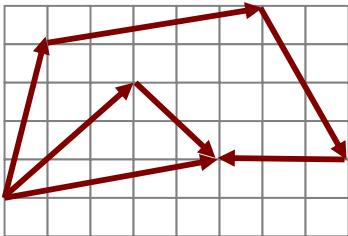
2.  A) 7,21  
B) 7,23  
C) 7,25  
D) 7,27  
E) N.A.


3.  A) 4,43  
B) 4,45  
C) 4,47  
D) 4,49  
E) N.A.

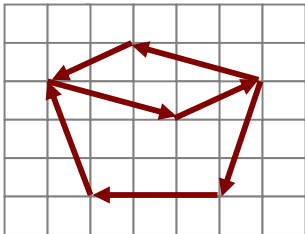
4.  A) 24  
B) 12  
C) 6  
D) 0  
E) N.A.

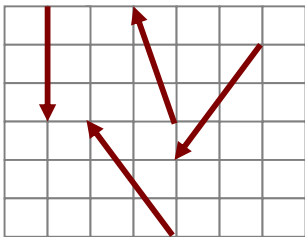
5.  A) 4,10  
B) 4,12  
C) 4,14  
D) 4,16  
E) N.A.

6.  A) 2  
B) 4  
C) 6  
D) 8  
E) N.A.

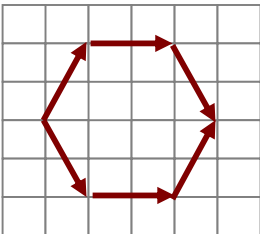
7.  A) 10,2  
B) 10,4  
C) 10,6  
D) 10,8  
E) N.A.

8.  A) 8  
B) 6  
C) 4  
D) 2  
E) NA.

9.  A) 4  
B) 5  
C) 6  
D) 7  
E) NA.

10.  A) 4  
B) 5  
C) 6  
D) 7  
E) NA.

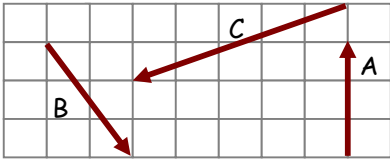
11.  A) 3  
B) 2  
C) 1  
D) 0  
E) NA.

12.  A) 6  
B) 8  
C) 10  
D) 12  
E) NA.

13.  A) 4  
B) 8  
C) 12  
D) 2  
E) NA.

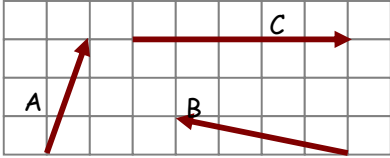
PROBLEMAS DEL TIPO "C"

1. A partir del dibujo, calcular  $A - 2B + C$



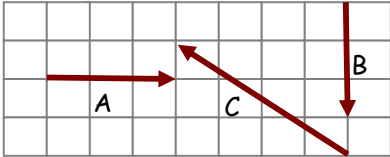
- A)  $9i + 7j$
- B)  $-9i + 7j$
- C)  $9i - 7j$
- D)  $-9i - 7j$

2. A partir del dibujo, calcular  $2A - (B + C)$



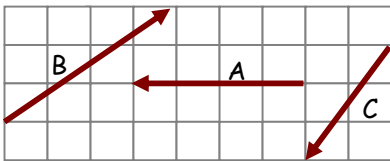
- A)  $i + 2j$
- B)  $2i + j$
- C)  $-i + 2j$
- D)  $i - 2j$

3. A partir del dibujo, calcular  $2(A+B) - 3C$



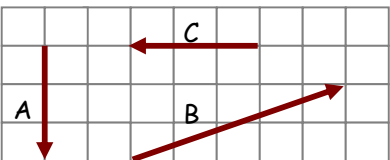
- A)  $18i + 15j$
- B)  $-18i - 15j$
- C)  $18i - 15j$
- D)  $-18i + 15j$

4. A partir del dibujo, calcular el módulo de :  
 $2A + B - 3C$ .



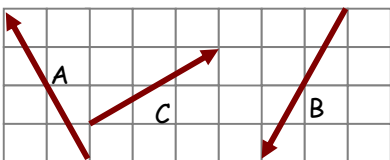
- A) 12,0
- B) 12,2
- C) 12,4
- D) 12,6

5. A partir del dibujo, calcular el módulo de :  
 $A - 3(B - 2C)$ .



- A) 34,2
- B) 34,4
- C) 34,6
- D) 34,8

6. A partir del dibujo, calcular el módulo de :  
 $3(A + B) - (2C - B)$

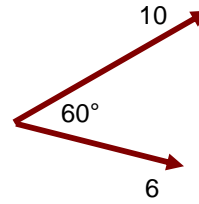


- A) 21,1
- B) 21,3
- C) 21,5
- D) 21,7

PROBLEMAS DEL TIPO "D"

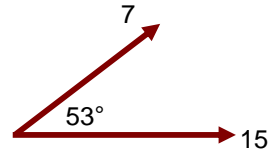
En cada caso, dibujar y calcular el vector resultante, de los vectores mostrados.

1.



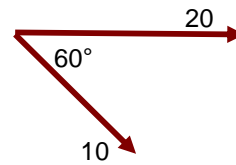
- A) 10
- B) 16
- C) 14
- D) 12
- E) N.A.

2.



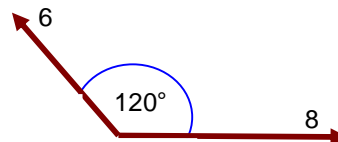
- A) 22
- B) 20
- C) 18
- D) 21
- E) N.A.

3.



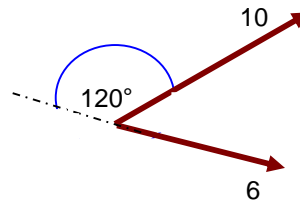
- A) 26,3
- B) 26,5
- C) 26,7
- D) 26,9
- E) N.A.

4.



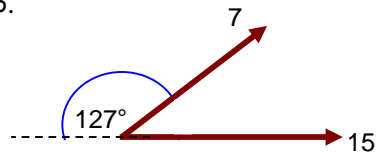
- A) 7,21
- B) 7,23
- C) 7,25
- D) 7,27
- E) N.A.

5.



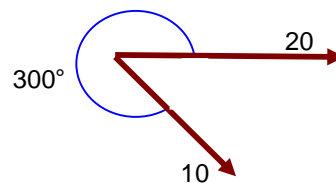
- A) 10
- B) 16
- C) 14
- D) 12
- E) N.A.

6.



- A) 22
- B) 20
- C) 18
- D) 21
- E) N.A.

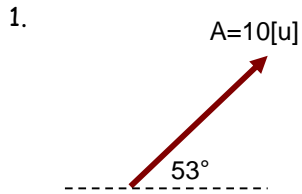
7.



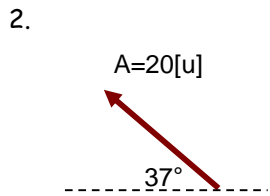
- A) 26,3
- B) 26,5
- C) 26,7
- D) 26,9
- E) N.A.

PROBLEMAS DEL TIPO "E"

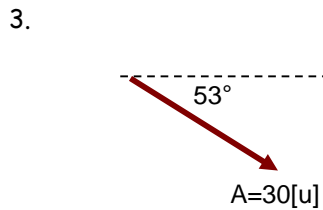
En cada caso, dibujar y calcular las componentes de cada vector.



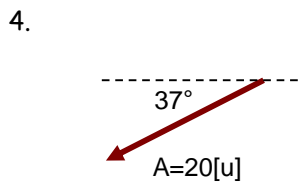
- A)  $6i + 8j$
- B)  $-6i + 8j$
- C)  $6i - 8j$
- D)  $-6i - 8j$



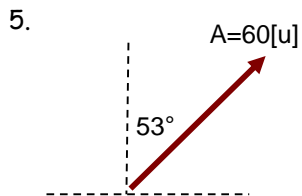
- A)  $16i + 12j$
- B)  $-16i + 12j$
- C)  $16i - 12j$
- D)  $-16i - 12j$



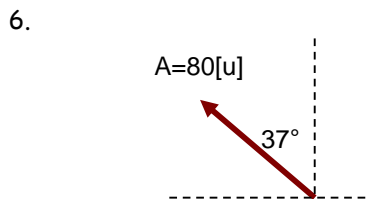
- A)  $18i - 24j$
- B)  $18i + 24j$
- C)  $-18i - 24j$
- D)  $-18i + 24j$



- A)  $16i + 12j$
- B)  $-16i + 12j$
- C)  $16i - 12j$
- D)  $-16i - 12j$



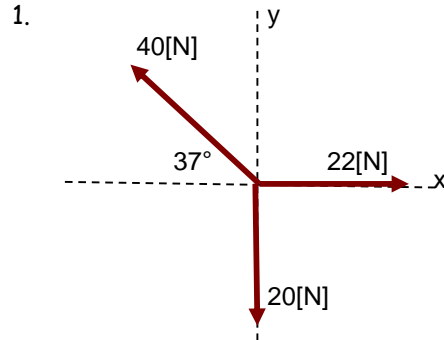
- A)  $48i - 36j$
- B)  $48i + 36j$
- C)  $-48i - 36j$
- D)  $-48i + 36j$



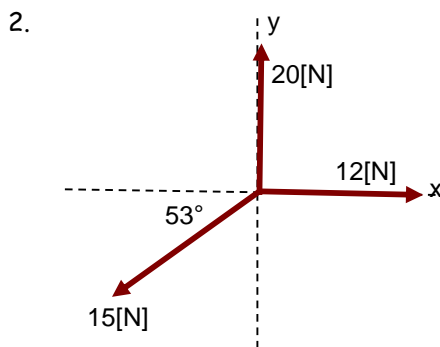
- A)  $48i - 64j$
- B)  $48i + 64j$
- C)  $-48i - 64j$
- D)  $-48i + 64j$

PROBLEMAS DEL TIPO "F"

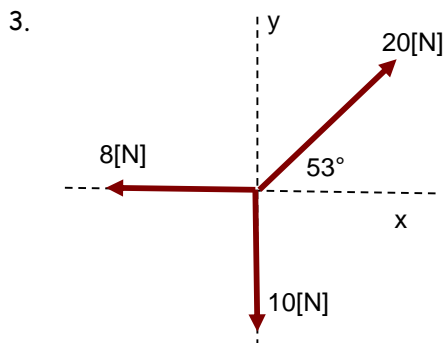
Hallar el módulo de la fuerza resultante.



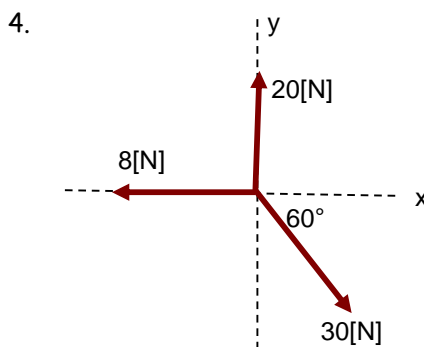
- A)  $10,2[N]$
- B)  $10,4[N]$
- C)  $10,6[N]$
- D)  $10,8[N]$



- A)  $8,1[N]$
- B)  $8,3[N]$
- C)  $8,5[N]$
- D)  $8,7[N]$



- A)  $7,2[N]$
- B)  $7,4[N]$
- C)  $7,6[N]$
- D)  $7,8[N]$



- A)  $9,0[N]$
- B)  $9,2[N]$
- C)  $9,4[N]$
- D)  $9,6[N]$

