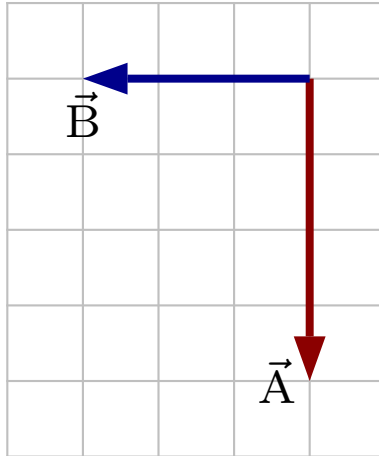


# Question 1

Consider the two vectors  $\vec{A}$  and  $\vec{B}$  as illustrated.

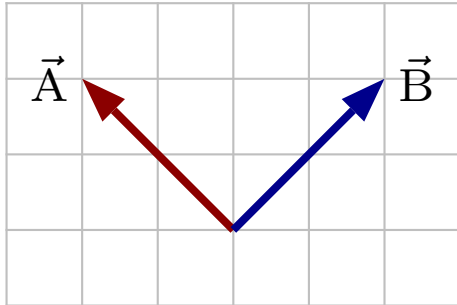


Which of the following is the magnitude of  $\vec{C} = \vec{A} + \vec{B}$ ?

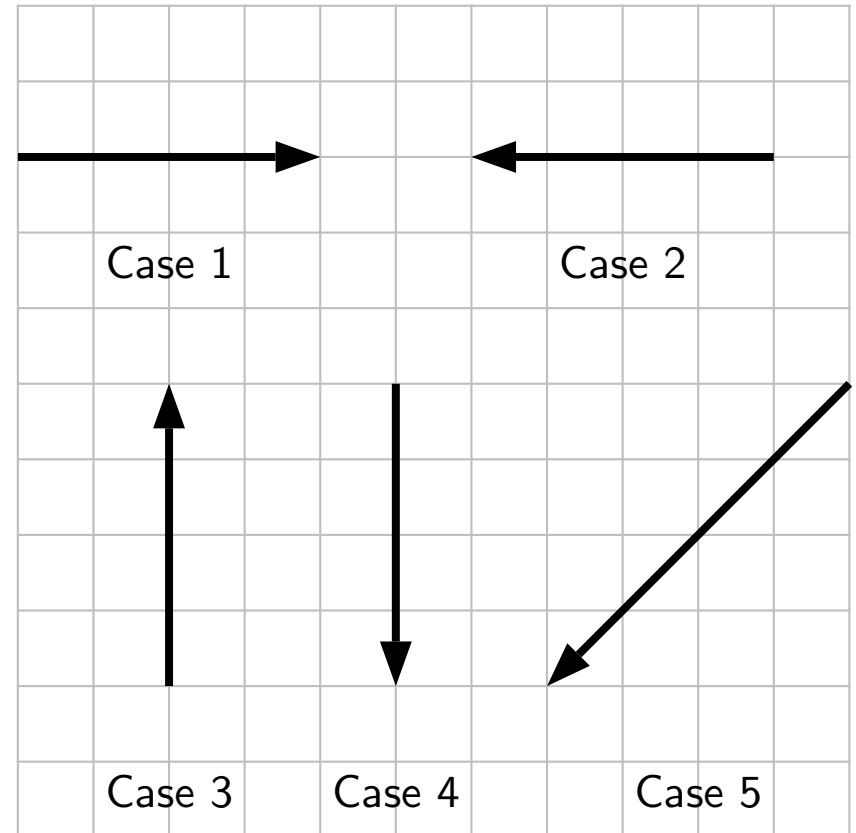
1.  $C = 3$
2.  $C = -3$
3.  $C = 4$
4.  $C = 5$
5.  $C = -5$
6.  $C = 7$

## Question 2

Consider the two vectors  $\vec{A}$  and  $\vec{B}$  as illustrated.

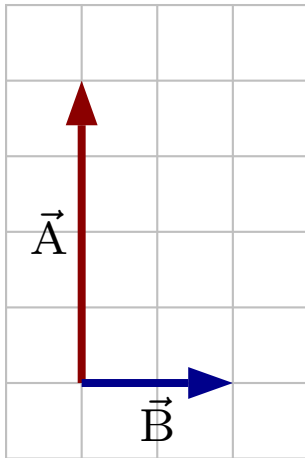


Which of the following best represents  $\vec{A} - \vec{B}$ ?



## Question 3

Consider the two vectors  $\vec{A}$  and  $\vec{B}$  as illustrated.



Which of the following best represents  $\vec{A} - 2\vec{B}$ ?

