1. Question\_type = tf

True or false: If is the dot product of vectors A and B, then .

Tags: [physics, math, numbers]

Answer: True

Solution: Dot product of two vectors is commutative

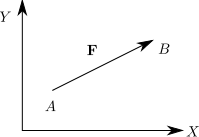
topic= math,V2,V3, dot

1. True or False: If is the cross product of vectors A and B, then

Answer: False

Solution: Cross product is not commutative.

1. Multiple choice: Consider two vectors and . Then
   1. -8 (Correct Answer)
   2. 8
   3. -27
   4. 3
2. Multiple choice: Consider two vectors and . Then |
   1. -8
   2. 8
   3. 27 (Correct Answer)
   4. 3
3. Multiple choice: The coordinates of point A in the figure below is while the coordinates of point B is The magnitude of the force F is 500 N. The y-coordinate of this force is:
   1. 250 N (correct)



1. Multiple choice: A force of magnitude 200 N is acting at point A (0,2). The force is directed from point A towards point B (3,-2). The vector expression of the force F is:
   1. (Correct answer)