

The Dot Product



Question

Suppose that a force of 30 N is applied in the \vec{i} -direction while an object is displaced 1 m from the origin into the 2nd quadrant. Which of the following could be the work done by the force on the object?

- A. -15 N-m
- B. 20 N-m
- C. -50 N-m
- D. -30 N
- E. 20 N