PROMPT

...
{{ question }}

Find the dot product of

$$\left(egin{array}{c} -2 \ 0 \ 7 \end{array}
ight) \quad ext{and} \quad \left(egin{array}{c} 3 \ 4 \ -5 \end{array}
ight).$$

GENERATE THOUGHT



{{ thought }}

To find the dot product of two vectors, we need to multiply their corresponding components and then add them up.

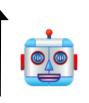
Do you know the Wolfram Alpha command to calculate the dot product of two given vectors?

...

{{ answer }}

the dot product of [-2,0,7] and [3,4,-5] is **-41**.

EXTRACT ANSWER



WOLFRAM ANSWER
JSON OBJECT

CALL WOLFRAM ALPHA



Answer:

Yes, the Wolfram Alpha command to find the dot product of the two vectors is: dot product [-2,0,7] and [3,4,-5]



GENERATE WOLFRAM QUERY

Final Query: dot product [-2,0,7] and [3,4,-5]