

**TOPIC**

Mathematics – Section I – Question 20

**QUESTION**The angle in degrees between two vectors  $\vec{u}$  and  $\vec{v}$ 

$$\vec{u} = 3i + 5j + 7k$$

$$\vec{v} = 11i + 13j + 17k$$

most nearly is

(A) 8.124

(B) 11.47

(C) 78.52

(D) 81.88

**HINT**

$$\vec{u} \cdot \vec{v} = |\vec{u}| |\vec{v}| \cos \theta$$

**CONTRIBUTOR**

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