

14. The vectors  $\mathbf{u}$  and  $\mathbf{v}$  are such that

- $|\mathbf{u}| = 4$
- $|\mathbf{v}| = 5$
- $\mathbf{u} \cdot (\mathbf{u} + \mathbf{v}) = 21$

Determine the size of the angle between the vectors  $\mathbf{u}$  and  $\mathbf{v}$ .

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