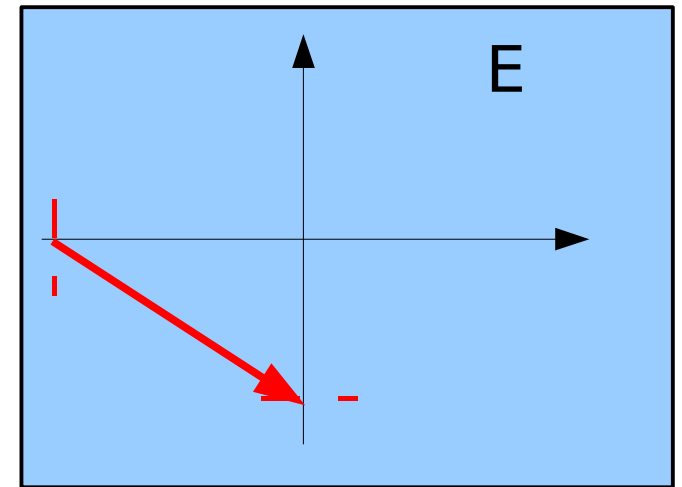
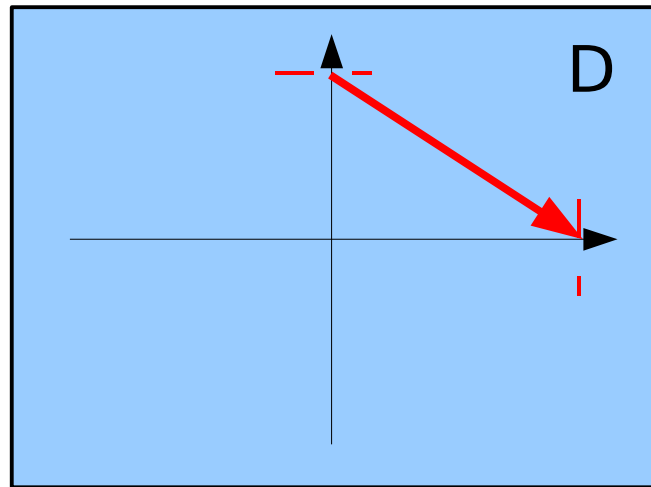
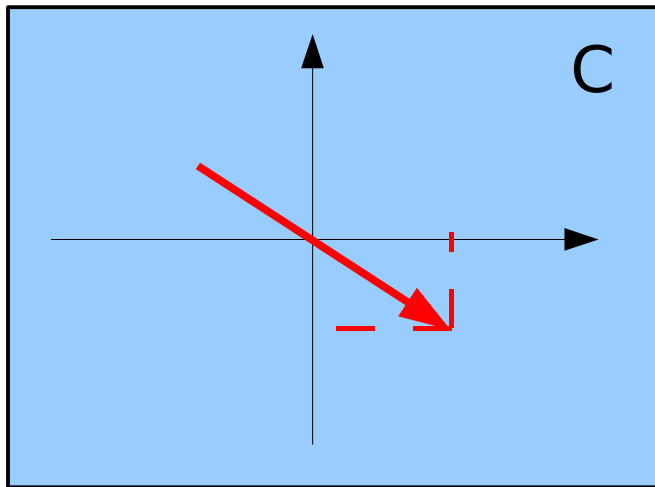
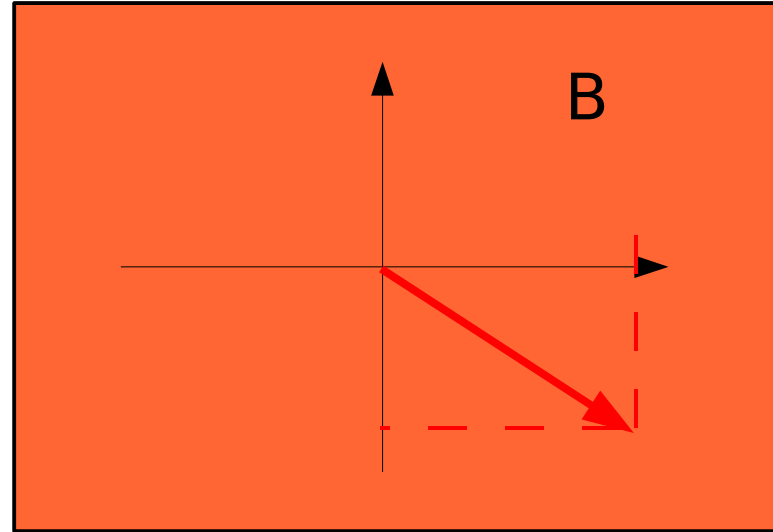
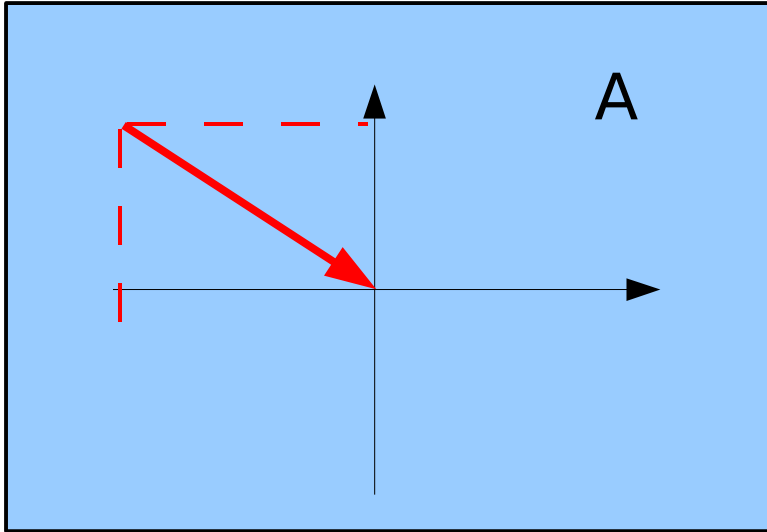


Which of the following figures shows how to find the components of vector  $\vec{a}$ ?

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# HITT 1

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Calculate the scalar product between:

$$\vec{a} = 3\hat{i} + 4\hat{j} - 2\hat{k} \quad \text{and} \quad \vec{b} = 4\hat{i} + 2\hat{j} + 3\hat{k}$$

A: 10

B: 8

C: 14

D: -12

E: 26

# HITT 2

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Calculate the scalar product between:

$$\vec{a} = 4\hat{i} + 4\hat{j} - 3\hat{k} \quad \text{and} \quad \vec{b} = 2\hat{i} + 3\hat{j} + 4\hat{k}$$

A: 10

**B: 8**

C: 14

D: -12

E: 26