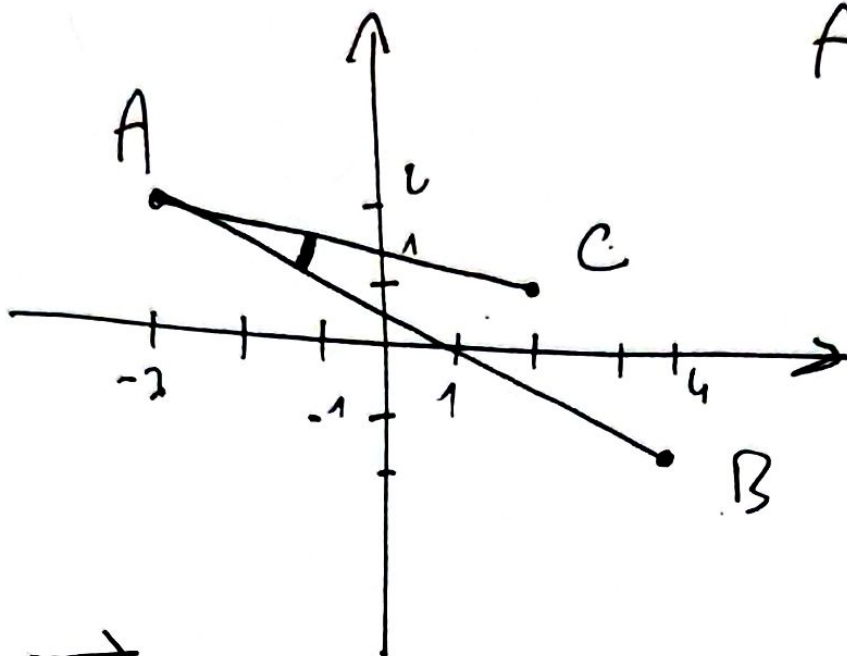




$$A(-3) \quad B(4) \quad C(2)$$

$$\vec{AB}(7) \quad \vec{AC}(5)$$

$$\bullet \quad \vec{AB} \cdot \vec{AC} = 7 \times 5 + (-3) \times (-1) = 38$$

$$\bullet \quad \vec{AB} \cdot \vec{AC} = AB \times AC \times \cos(\widehat{BAC})$$

$$38 = \sqrt{7^2 + 3^2} \times \sqrt{5^2 + 1^2} \times \cos(\widehat{BAC})$$

$$\cos(\widehat{BAC}) = \frac{38}{\sqrt{58} \times \sqrt{26}} \approx 0,978$$

$$\widehat{BAC} \approx 11,9^\circ$$