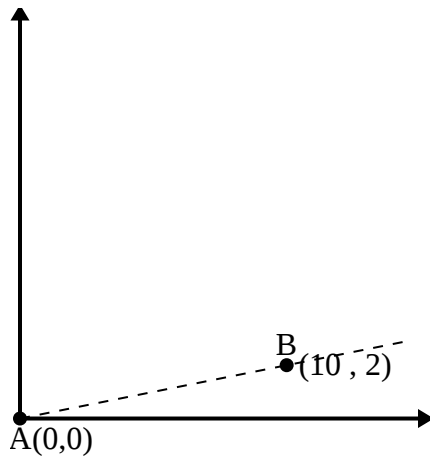




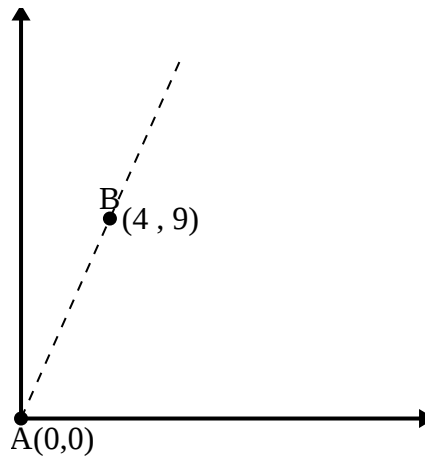
Verwenden Sie das Kosinusetz, um den Winkel von Punkt B relativ zu Punkt A zu bestimmen.

Antworten

1)



2)



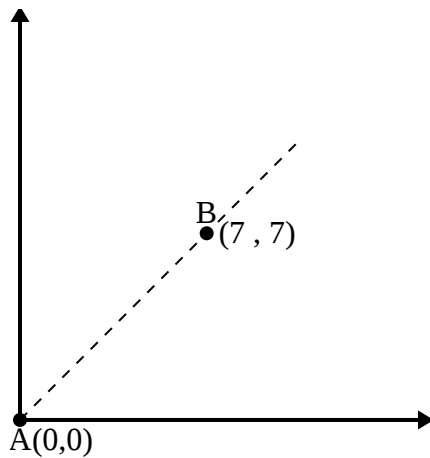
1. _____

2. _____

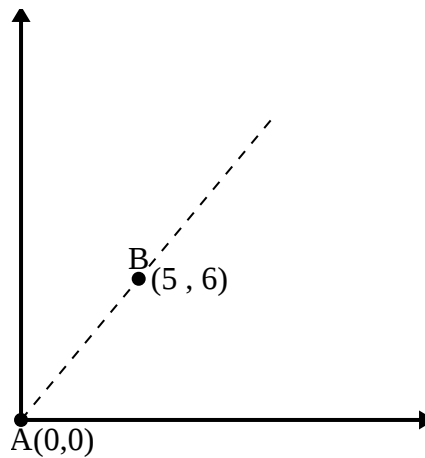
3. _____

4. _____

3)



4)

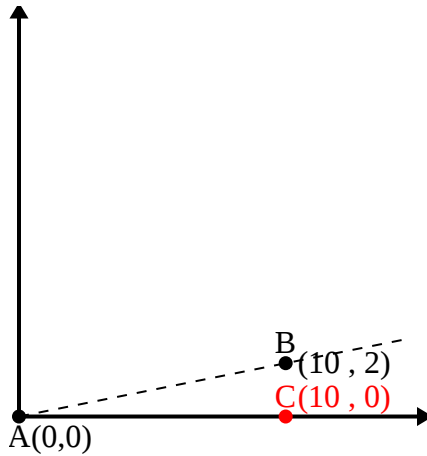




Verwenden Sie das Kosinussatz, um den Winkel von Punkt B relativ zu Punkt A zu bestimmen.

Antworten

1)



$$\overline{AB} \text{ length} = 10.2$$

$$\overline{AC} \text{ length} = 10$$

$$\overline{BC} \text{ length} = 2$$

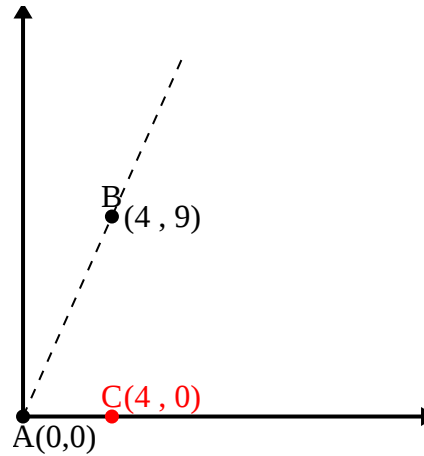
$$(104 + 100 + 4) : (2 \cdot 10.2 \cdot 10)$$

$$0.98$$

$$\cos^{-1}(0.98)$$

$$11.31^\circ$$

2)



$$\overline{AB} \text{ length} = 9.85$$

$$\overline{AC} \text{ length} = 4$$

$$\overline{BC} \text{ length} = 9$$

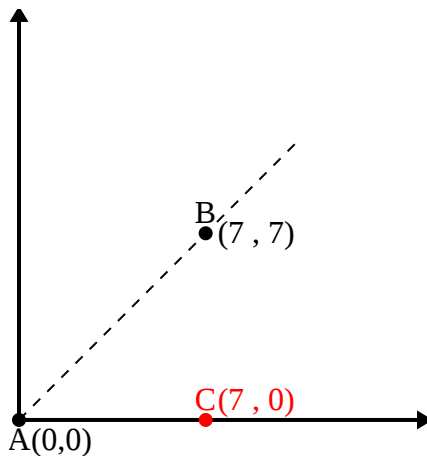
$$(97 + 16 + 81) : (2 \cdot 9.85 \cdot 4)$$

$$0.41$$

$$\cos^{-1}(0.41)$$

$$66.04^\circ$$

3)



$$\overline{AB} \text{ length} = 9.9$$

$$\overline{AC} \text{ length} = 7$$

$$\overline{BC} \text{ length} = 7$$

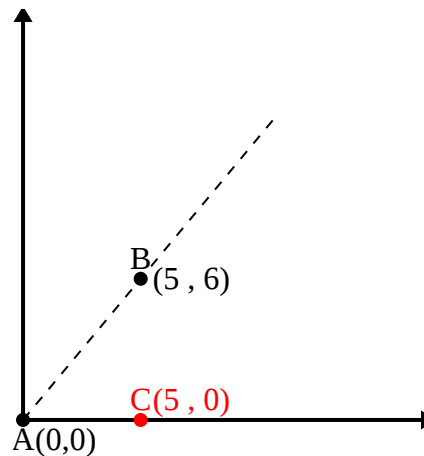
$$(98 + 49 + 49) : (2 \cdot 9.9 \cdot 7)$$

$$0.71$$

$$\cos^{-1}(0.71)$$

$$45^\circ$$

4)



$$\overline{AB} \text{ length} = 7.81$$

$$\overline{AC} \text{ length} = 5$$

$$\overline{BC} \text{ length} = 6$$

$$(61 + 25 + 36) : (2 \cdot 7.81 \cdot 5)$$

$$0.64$$

$$\cos^{-1}(0.64)$$

$$50.19^\circ$$

1. **11,31°**
2. **66,04°**
3. **45°**
4. **50,19°**