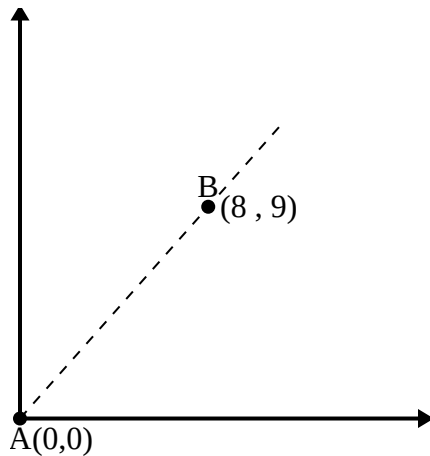




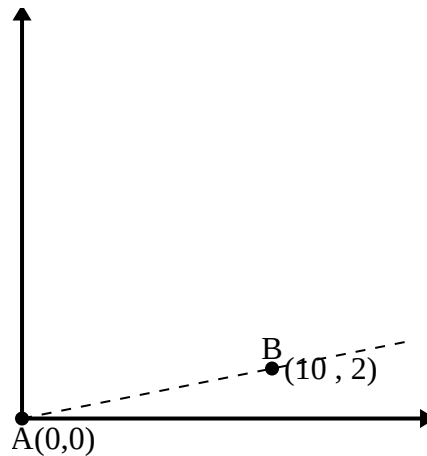
Verwenden Sie das Kosinussatz, um den Winkel von Punkt B relativ zu Punkt A zu bestimmen.

Antworten

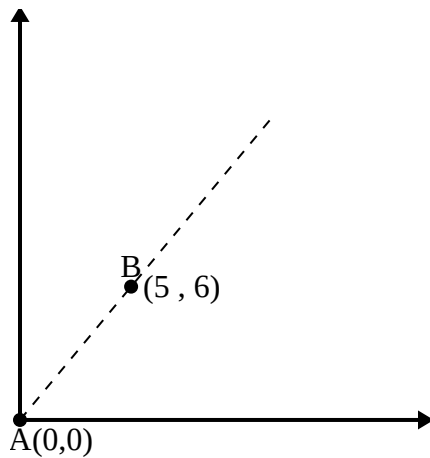
1)



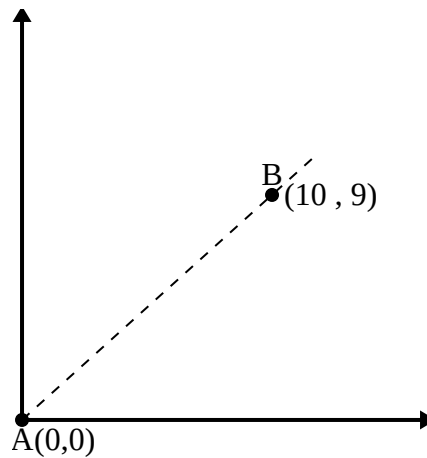
2)



3)



4)



1. _____

2. _____

3. _____

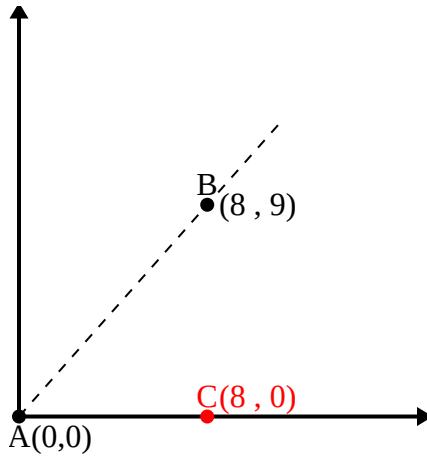
4. _____



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

Antworten

1)



$$\overline{AB} \text{ length} = 12.04$$

$$\overline{AC} \text{ length} = 8$$

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

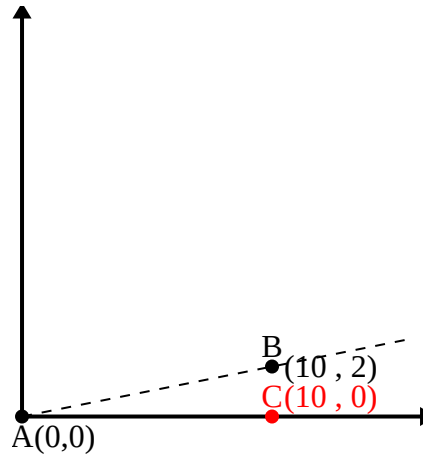
$$(145 + 64 + 81) : (2 \cdot 12.04 \cdot 8)$$

$$0.66$$

$$\cos^{-1}(0.66)$$

$$48.37^\circ$$

2)



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

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

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

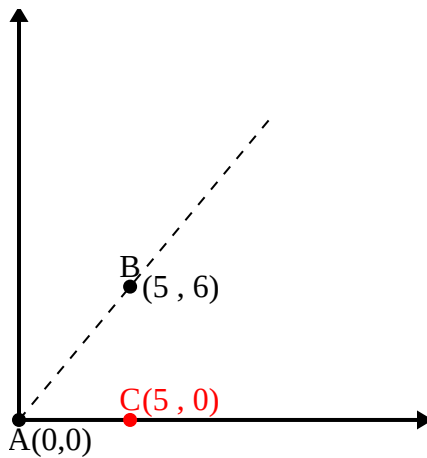
$$(104 + 100 + 4) : (2 \cdot 10.2 \cdot 10)$$

$$0.98$$

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

$$11.31^\circ$$

3)



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

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

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

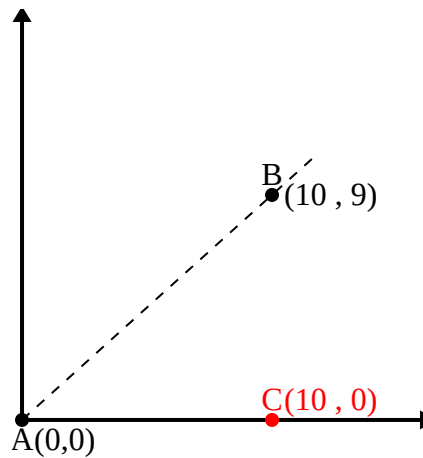
$$(61 + 25 + 36) : (2 \cdot 7.81 \cdot 5)$$

$$0.64$$

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

$$50.19^\circ$$

4)



$$\overline{AB} \text{ length} = 13.45$$

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

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

$$(181 + 100 + 81) : (2 \cdot 13.45 \cdot 10)$$

$$0.74$$

$$\cos^{-1}(0.74)$$

$$41.99^\circ$$

1. 48.37°

2. 11.31°

3. 50.19°

4. 41.99°