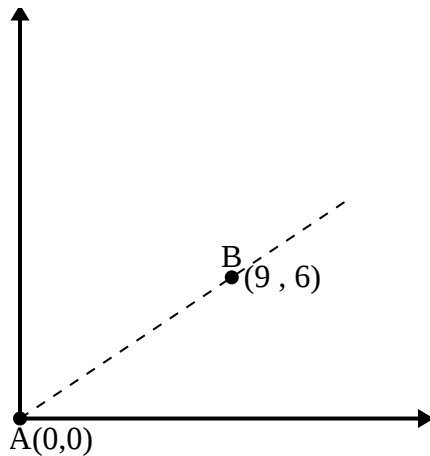




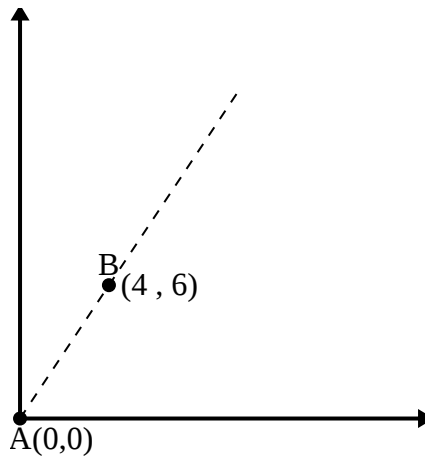
Verwenden Sie das Kosinussatz, um den Winkel von Punkt B relativ zu Punkt A zu bestimmen.

Antworten

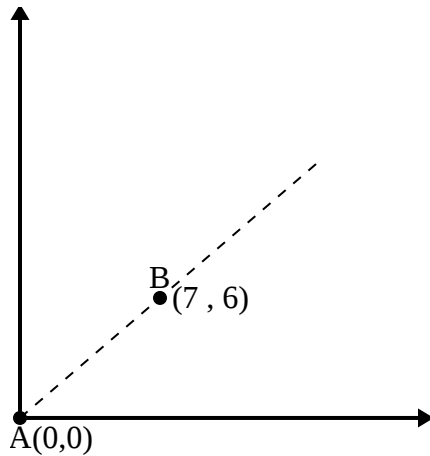
1)



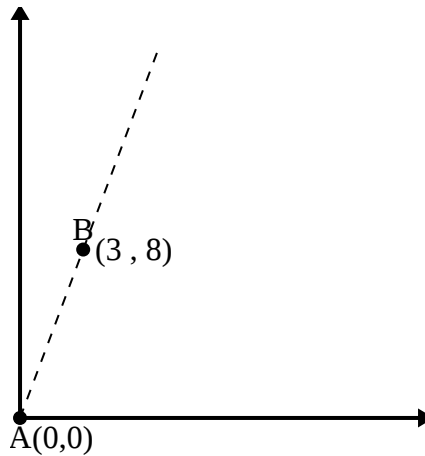
2)



3)



4)



1. _____

2. _____

3. _____

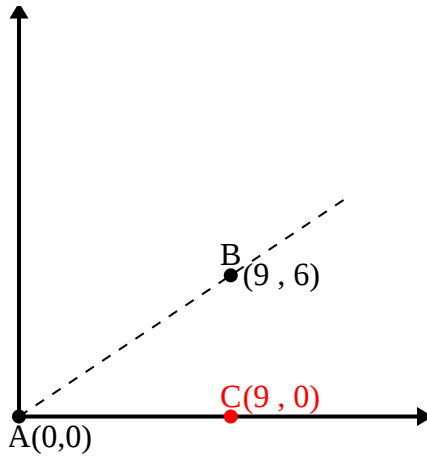
4. _____



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

Antworten

1)



$$\overline{AB} \text{ length} = 10.82$$

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

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

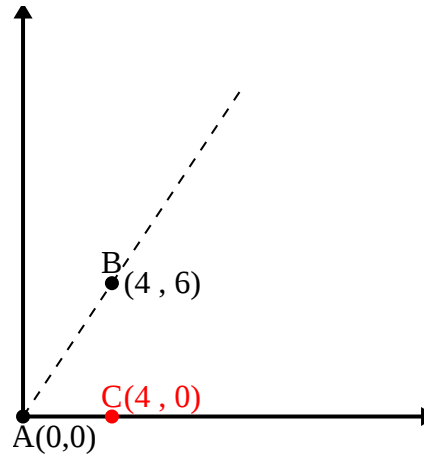
$$(117 + 81 + 36) : (2 \cdot 10.82 \cdot 9)$$

$$0.83$$

$$\cos^{-1}(0.83)$$

$$33.69^\circ$$

2)



$$\overline{AB} \text{ length} = 7.21$$

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

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

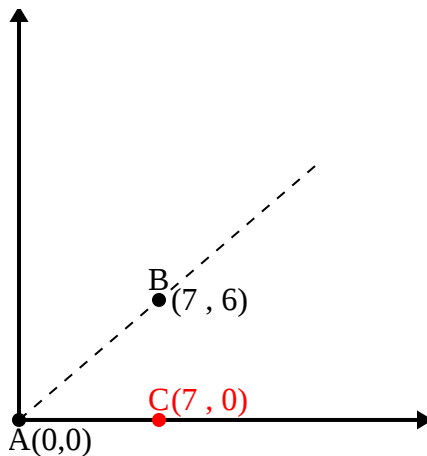
$$(52 + 16 + 36) : (2 \cdot 7.21 \cdot 4)$$

$$0.55$$

$$\cos^{-1}(0.55)$$

$$56.31^\circ$$

3)



$$\overline{AB} \text{ length} = 9.22$$

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

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

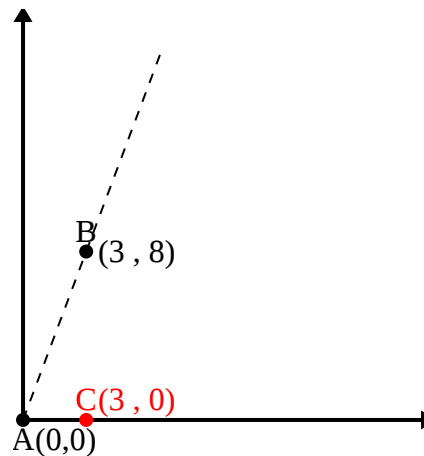
$$(85 + 49 + 36) : (2 \cdot 9.22 \cdot 7)$$

$$0.76$$

$$\cos^{-1}(0.76)$$

$$40.6^\circ$$

4)



$$\overline{AB} \text{ length} = 8.54$$

$$\overline{AC} \text{ length} = 3$$

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

$$(73 + 9 + 64) : (2 \cdot 8.54 \cdot 3)$$

$$0.35$$

$$\cos^{-1}(0.35)$$

$$69.44^\circ$$

1. 33.69°

2. 56.31°

3. 40.6°

4. 69.44°