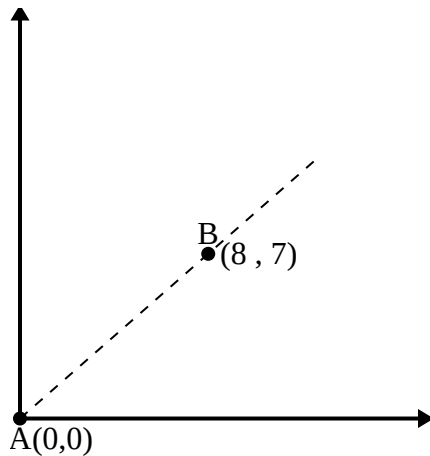




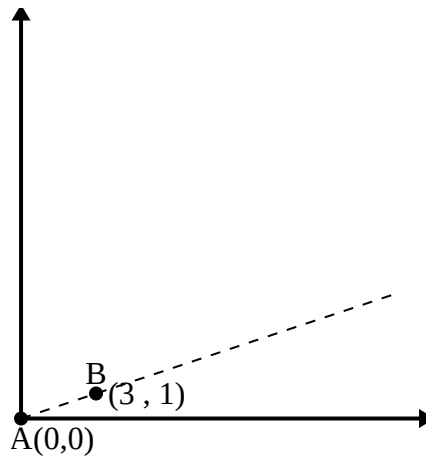
Verwenden Sie das Kosinusetz, um den Winkel von Punkt B relativ zu Punkt A zu bestimmen.

Antworten

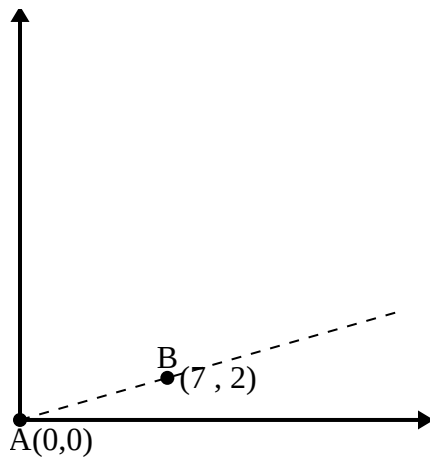
1)



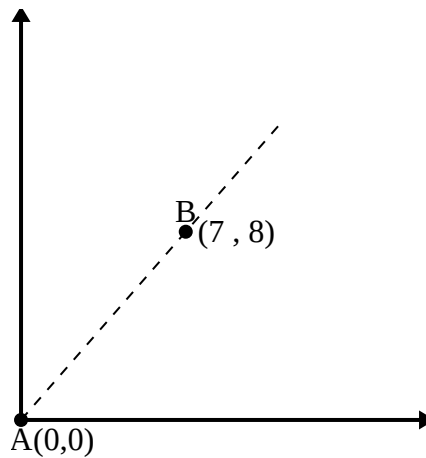
2)



3)



4)



1. _____

2. _____

3. _____

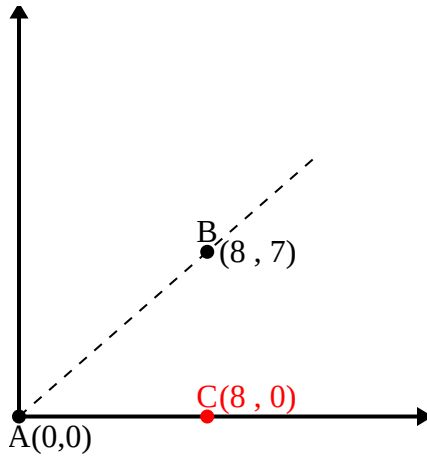
4. _____



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

Antworten

1)



$$\overline{AB} \text{ length} = 10.63$$

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

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

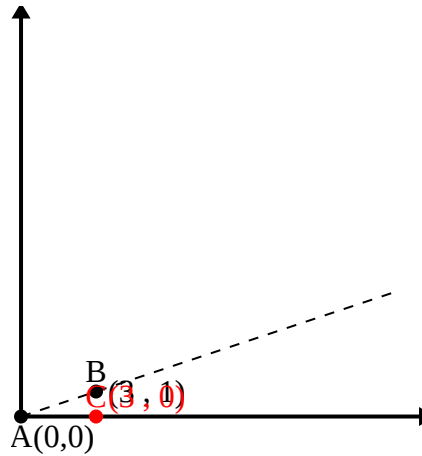
$$(113 + 64 + 49) : (2 \cdot 10.63 \cdot 8)$$

$$0.75$$

$$\cos^{-1}(0.75)$$

$$41.19^\circ$$

2)



$$\overline{AB} \text{ length} = 3.16$$

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

$$\overline{BC} \text{ length} = 1$$

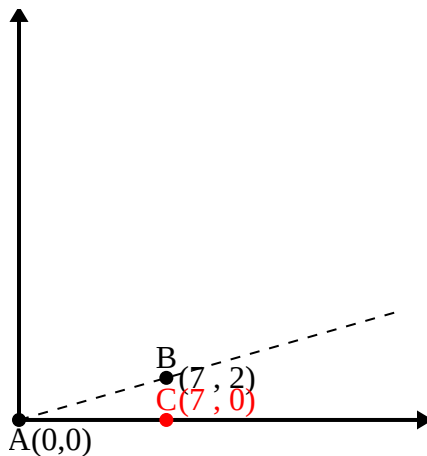
$$(10 + 9 + 1) : (2 \cdot 3.16 \cdot 3)$$

$$0.95$$

$$\cos^{-1}(0.95)$$

$$18.43^\circ$$

3)



$$\overline{AB} \text{ length} = 7.28$$

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

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

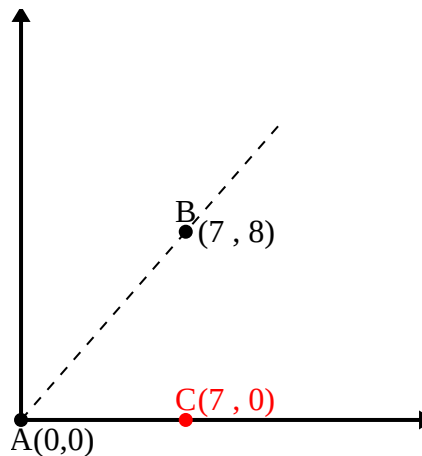
$$(53 + 49 + 4) : (2 \cdot 7.28 \cdot 7)$$

$$0.96$$

$$\cos^{-1}(0.96)$$

$$15.95^\circ$$

4)



$$\overline{AB} \text{ length} = 10.63$$

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

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

$$(113 + 49 + 64) : (2 \cdot 10.63 \cdot 7)$$

$$0.66$$

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

$$48.81^\circ$$

1. 41.19°

2. 18.43°

3. 15.95°

4. 48.81°