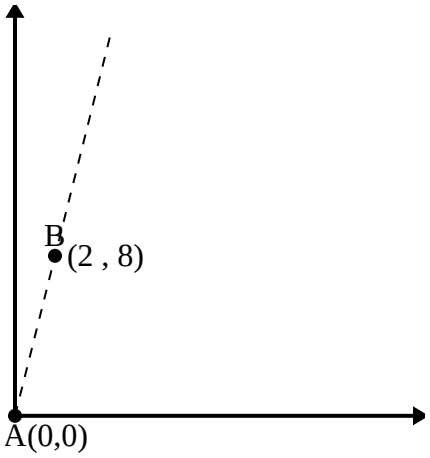
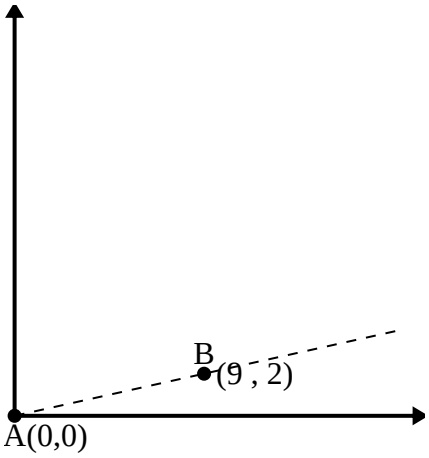
Utilice la ley de los cosenos para encontrar el ángulo del punto B con respecto al punto A.

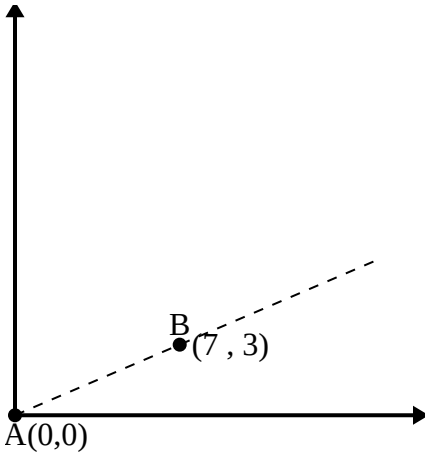
1)



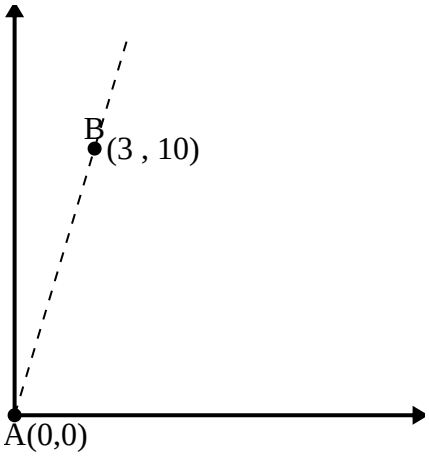
2)



3)



4)



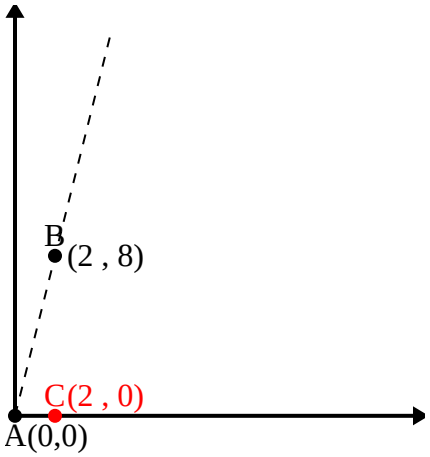
Respuestas

1. _____
2. _____
3. _____
4. _____

1-4	75	50	25	0

Utilice la ley de los cosenos para encontrar el ángulo del punto B con respecto al punto A.

1)



$\overline{AB}$ length = 8.25

$\overline{AC}$ length = 2

$\overline{BC}$ length = 8

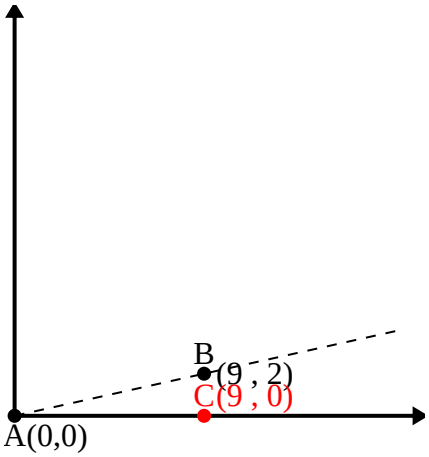
$(68 + 4 + 64) \div (2 \times 8.25 \times 2)$

0.24

$\cos^{-1}(0.24)$

75.96°

2)



$\overline{AB}$ length = 9.22

$\overline{AC}$ length = 9

$\overline{BC}$ length = 2

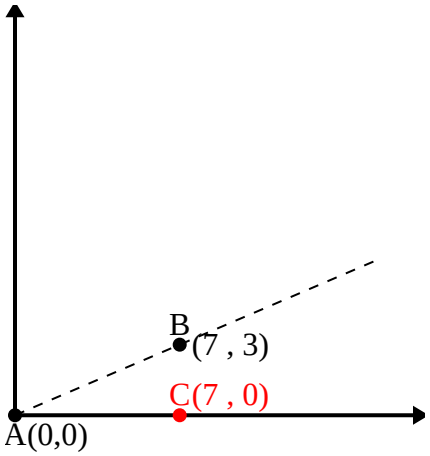
$(85 + 81 + 4) \div (2 \times 9.22 \times 9)$

0.98

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

12.53°

3)



$\overline{AB}$ length = 7.62

$\overline{AC}$ length = 7

$\overline{BC}$ length = 3

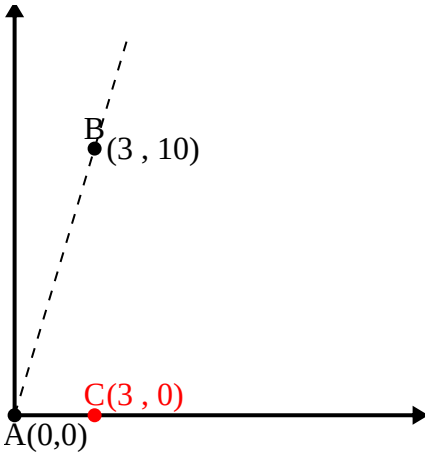
$(58 + 49 + 9) \div (2 \times 7.62 \times 7)$

0.92

$\cos^{-1}(0.92)$

23.2°

4)



$\overline{AB}$ length = 10.44

$\overline{AC}$ length = 3

$\overline{BC}$ length = 10

$(109 + 9 + 100) \div (2 \times 10.44 \times 3)$

0.29

$\cos^{-1}(0.29)$

73.3°

Respuestas

1. **75.96°**
2. **12.53°**
3. **23.2°**
4. **73.3°**

1-4	75	50	25	0