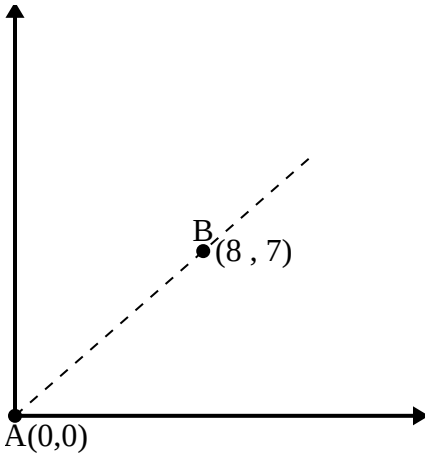
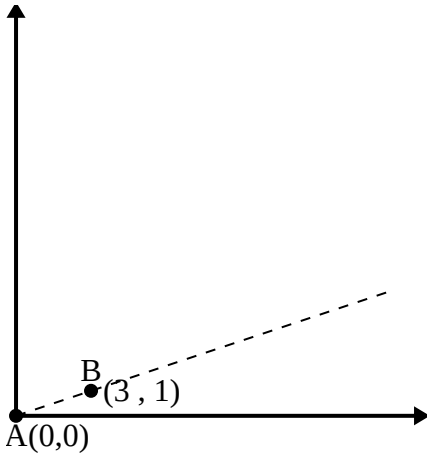
Utilice la ley de los cosenos para encontrar el ángulo del punto B con respecto al punto A.

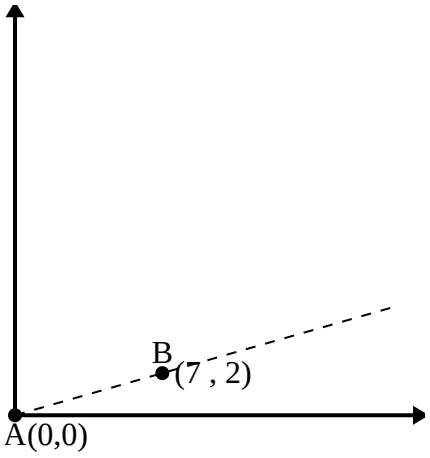
1)



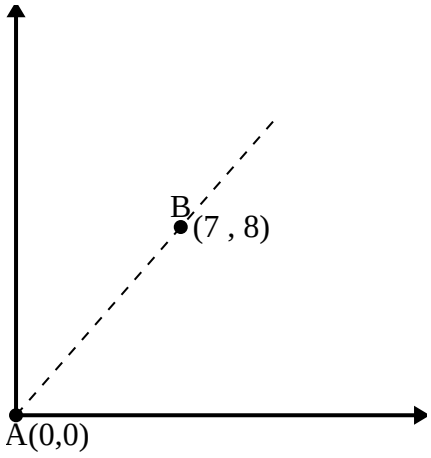
2)



3)



4)



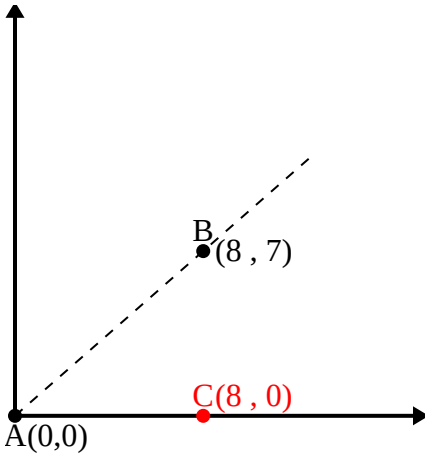
Respuestas

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 = 10.63

$\overline{AC}$ length = 8

$\overline{BC}$ length = 7

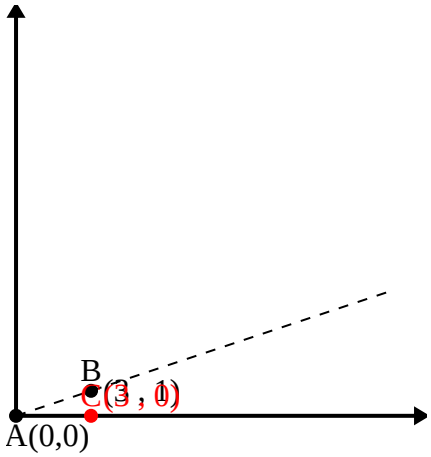
$(113 + 64 + 49) \div (2 \times 10.63 \times 8)$

0.75

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

41.19°

2)



$\overline{AB}$ length = 3.16

$\overline{AC}$ length = 3

$\overline{BC}$ length = 1

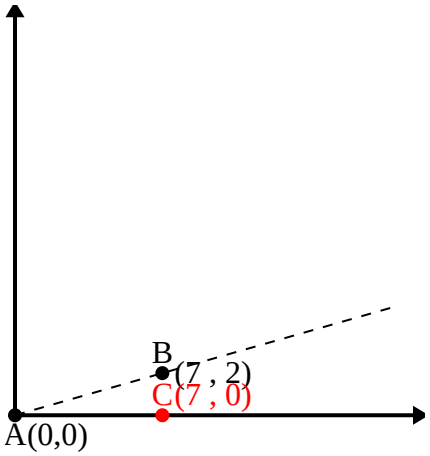
$(10 + 9 + 1) \div (2 \times 3.16 \times 3)$

0.95

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

18.43°

3)



$\overline{AB}$ length = 7.28

$\overline{AC}$ length = 7

$\overline{BC}$ length = 2

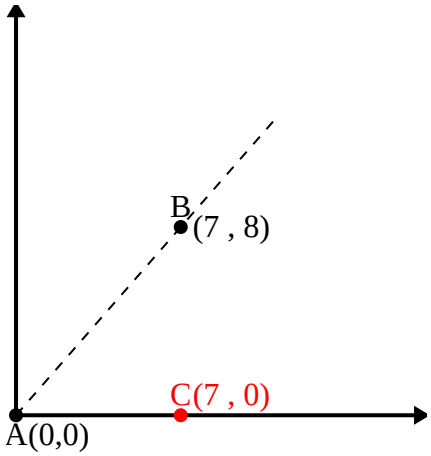
$(53 + 49 + 4) \div (2 \times 7.28 \times 7)$

0.96

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

15.95°

4)



$\overline{AB}$ length = 10.63

$\overline{AC}$ length = 7

$\overline{BC}$ length = 8

$(113 + 49 + 64) \div (2 \times 10.63 \times 7)$

0.66

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

48.81°

Respuestas

1. **41.19°**
2. **18.43°**
3. **15.95°**
4. **48.81°**

1-4	75	50	25	0