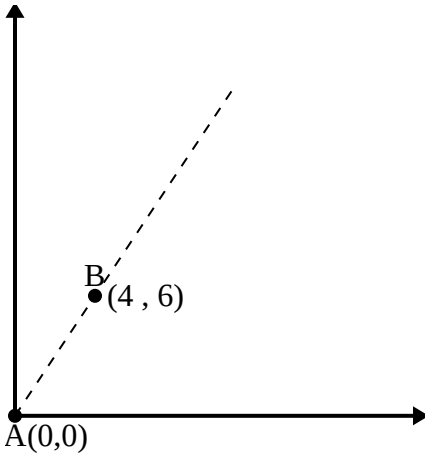
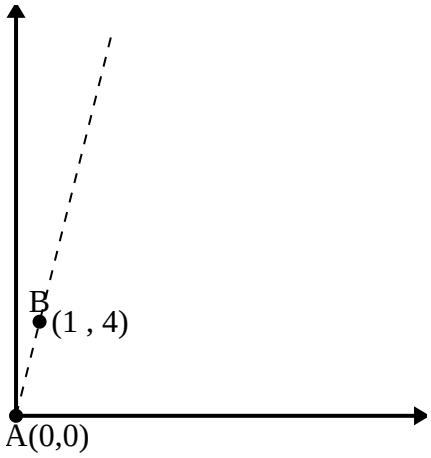
Utilice la ley de los cosenos para encontrar el ángulo del punto B con respecto al punto A.

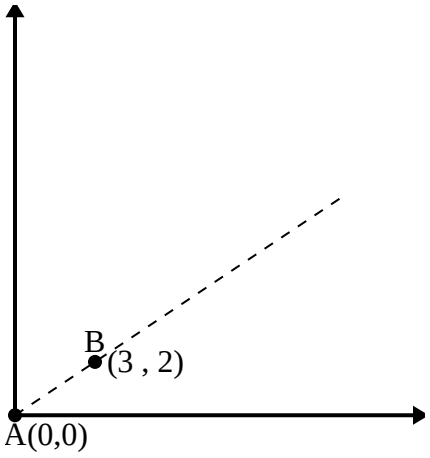
1)



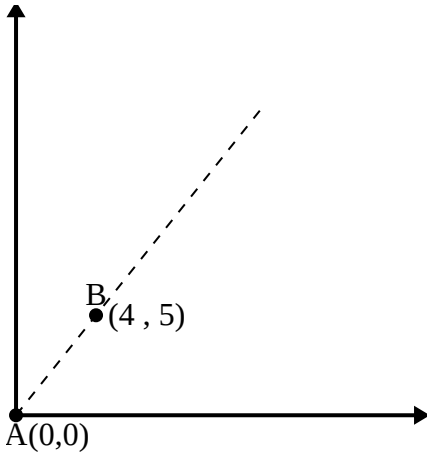
2)



3)



4)



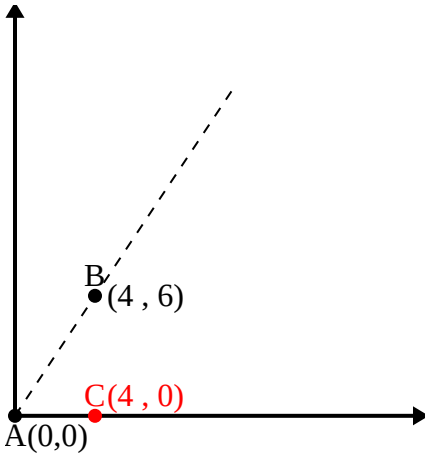
Respuestas

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 = 7.21

$\overline{AC}$ length = 4

$\overline{BC}$ length = 6

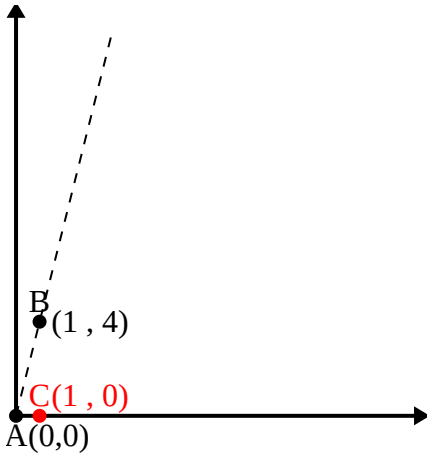
$(52 + 16 + 36) \div (2 \times 7.21 \times 4)$

0.55

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

56.31°

2)



$\overline{AB}$ length = 4.12

$\overline{AC}$ length = 1

$\overline{BC}$ length = 4

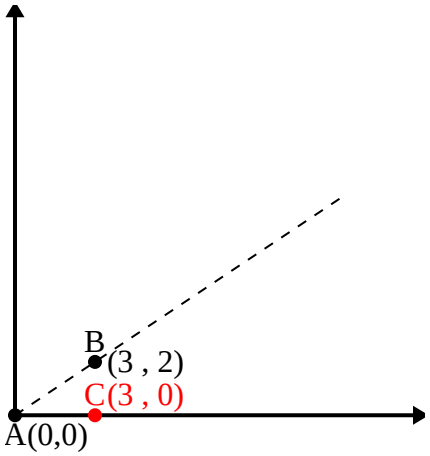
$(17 + 1 + 16) \div (2 \times 4.12 \times 1)$

0.24

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

75.96°

3)



$\overline{AB}$ length = 3.61

$\overline{AC}$ length = 3

$\overline{BC}$ length = 2

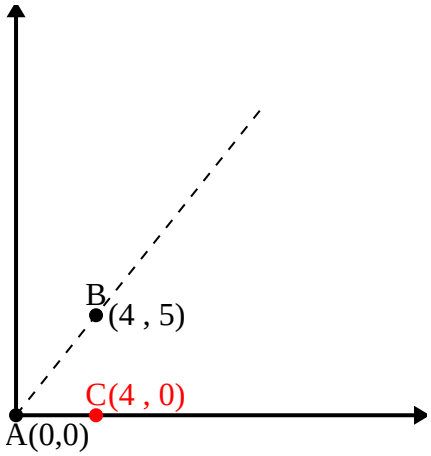
$(13 + 9 + 4) \div (2 \times 3.61 \times 3)$

0.83

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

33.69°

4)



$\overline{AB}$ length = 6.4

$\overline{AC}$ length = 4

$\overline{BC}$ length = 5

$(41 + 16 + 25) \div (2 \times 6.4 \times 4)$

0.62

$\cos^{-1}(0.62)$

51.34°

Respuestas

1. **56.31°**
2. **75.96°**
3. **33.69°**
4. **51.34°**

1-4	75	50	25	0