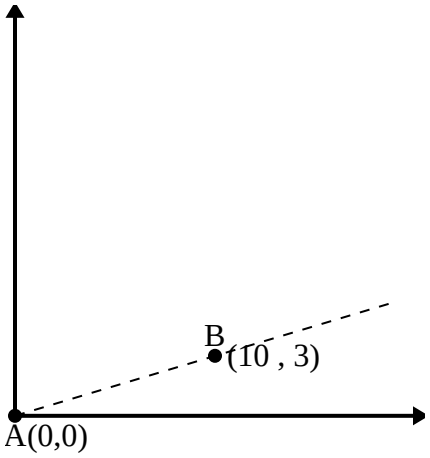
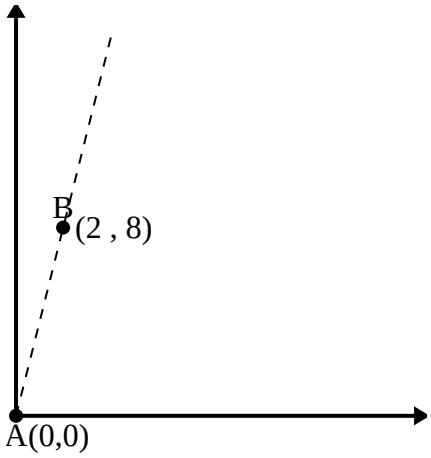
Utilice la ley de los cosenos para encontrar el ángulo del punto B con respecto al punto A.

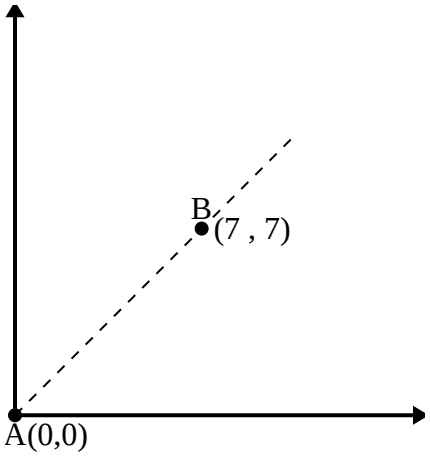
1)



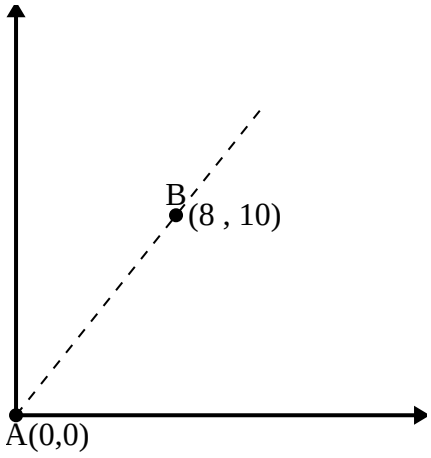
2)



3)



4)

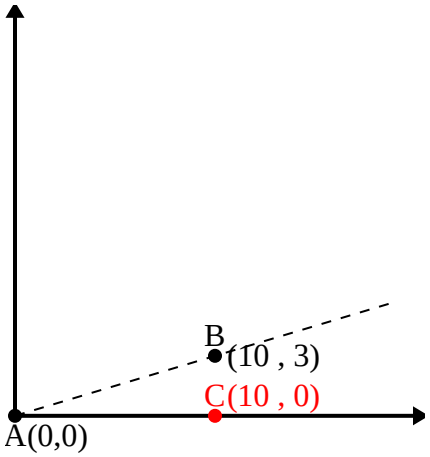


Respuestas

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

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

1)



$\overline{AB}$ length = 10.44

$\overline{AC}$ length = 10

$\overline{BC}$ length = 3

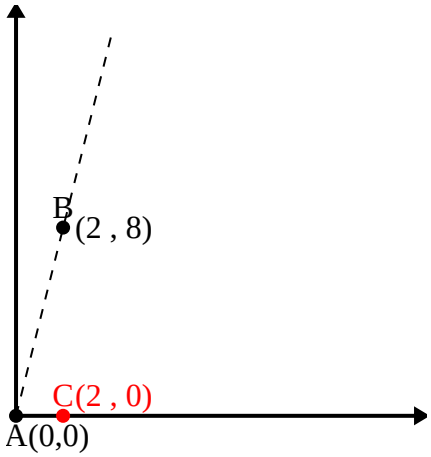
$(109 + 100 + 9) \div (2 \times 10.44 \times 10)$

0.96

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

16.7°

2)



$\overline{AB}$ length = 8.25

$\overline{AC}$ length = 2

$\overline{BC}$ length = 8

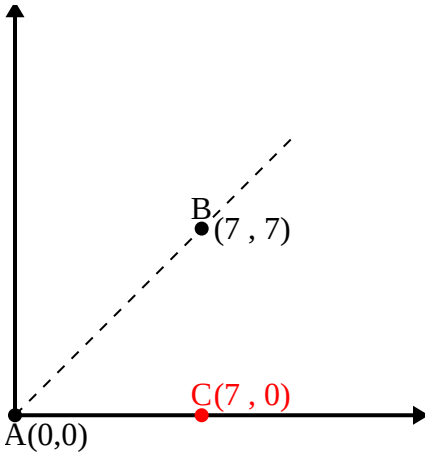
$(68 + 4 + 64) \div (2 \times 8.25 \times 2)$

0.24

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

75.96°

3)



$\overline{AB}$ length = 9.9

$\overline{AC}$ length = 7

$\overline{BC}$ length = 7

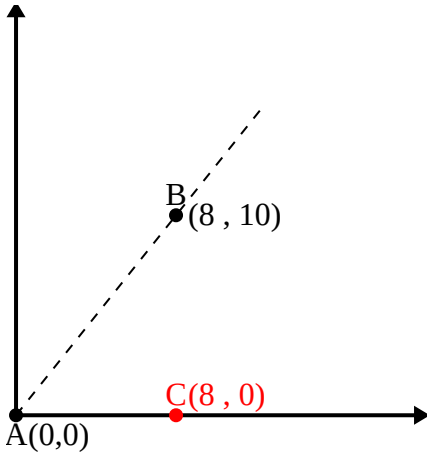
$(98 + 49 + 49) \div (2 \times 9.9 \times 7)$

0.71

$\cos^{-1}(0.71)$

45°

4)



$\overline{AB}$ length = 12.81

$\overline{AC}$ length = 8

$\overline{BC}$ length = 10

$(164 + 64 + 100) \div (2 \times 12.81 \times 8)$

0.62

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

51.34°

Respuestas

1. **16.7°**
2. **75.96°**
3. **45°**
4. **51.34°**