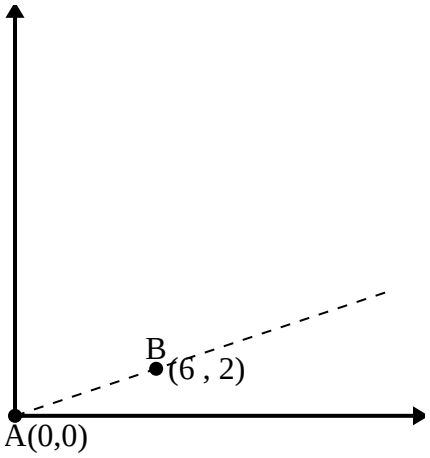
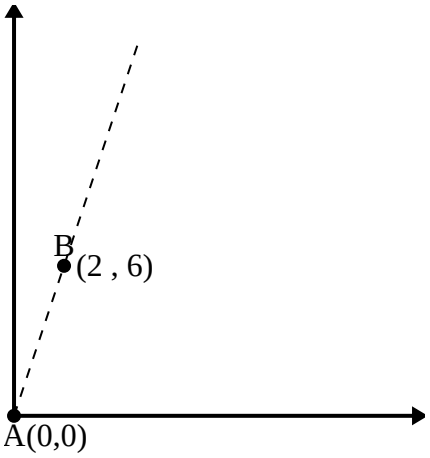
Utilice la ley de los cosenos para encontrar el ángulo del punto B con respecto al punto A.

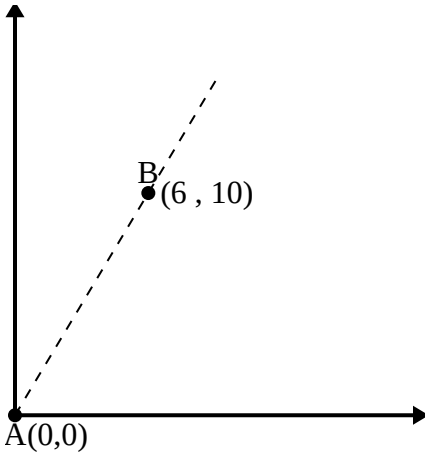
1)



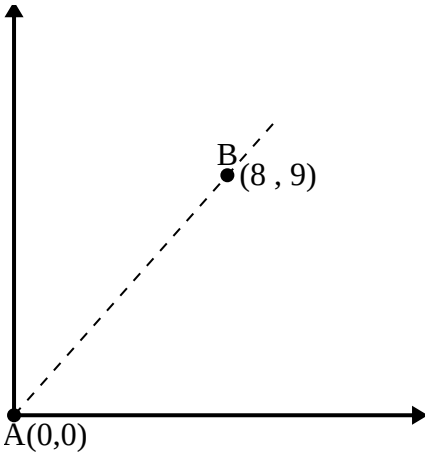
2)



3)



4)



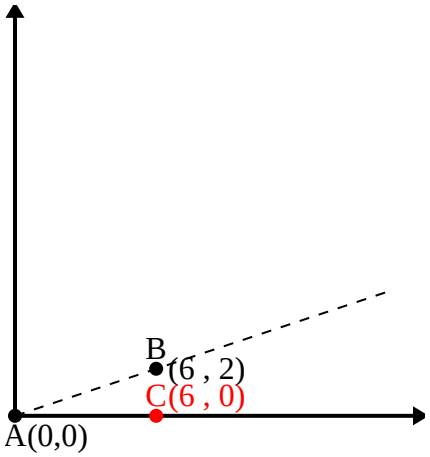
Respuestas

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 = 6.32

$\overline{AC}$ length = 6

$\overline{BC}$ length = 2

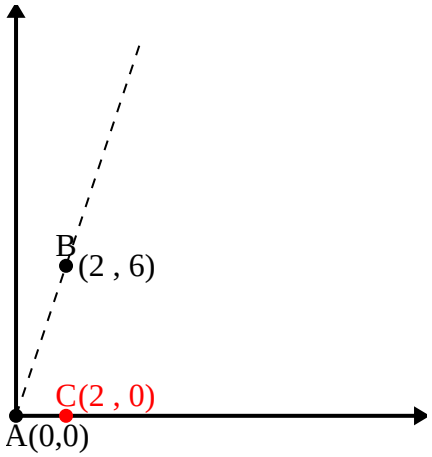
$(40 + 36 + 4) \div (2 \times 6.32 \times 6)$

0.95

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

18.43°

2)



$\overline{AB}$ length = 6.32

$\overline{AC}$ length = 2

$\overline{BC}$ length = 6

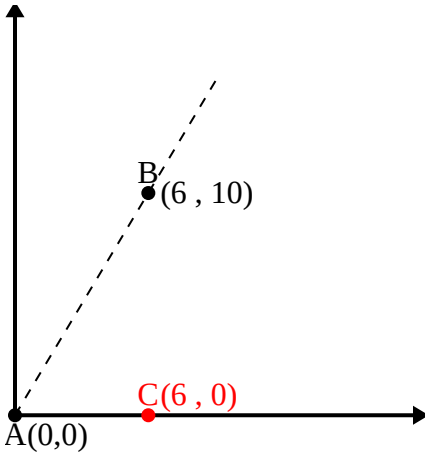
$(40 + 4 + 36) \div (2 \times 6.32 \times 2)$

0.32

$\cos^{-1}(0.32)$

71.57°

3)



$\overline{AB}$ length = 11.66

$\overline{AC}$ length = 6

$\overline{BC}$ length = 10

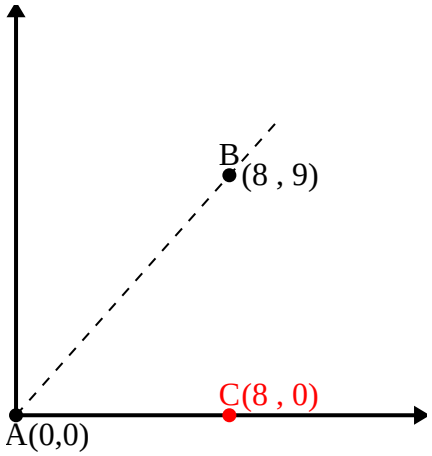
$(136 + 36 + 100) \div (2 \times 11.66 \times 6)$

0.51

$\cos^{-1}(0.51)$

59.04°

4)



$\overline{AB}$ length = 12.04

$\overline{AC}$ length = 8

$\overline{BC}$ length = 9

$(145 + 64 + 81) \div (2 \times 12.04 \times 8)$

0.66

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

48.37°

Respuestas

1. **18.43°**
2. **71.57°**
3. **59.04°**
4. **48.37°**

1-4	75	50	25	0