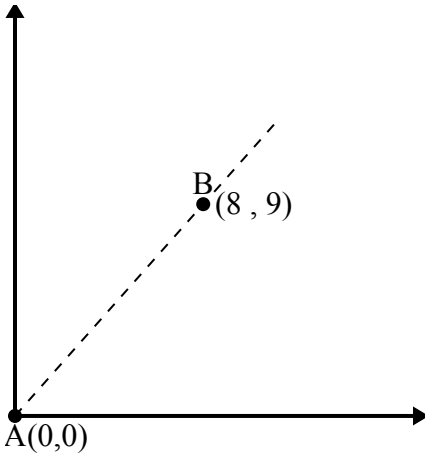
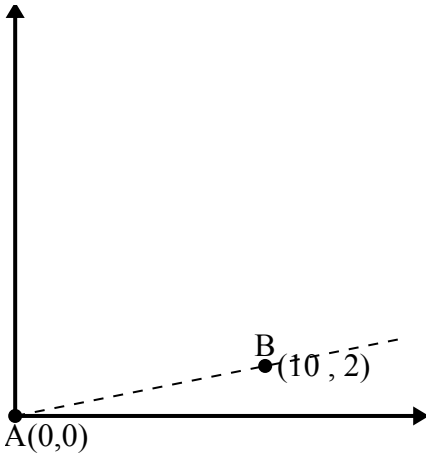
Используйте закон косинусов, чтобы найти угол точки B относительно точки A.

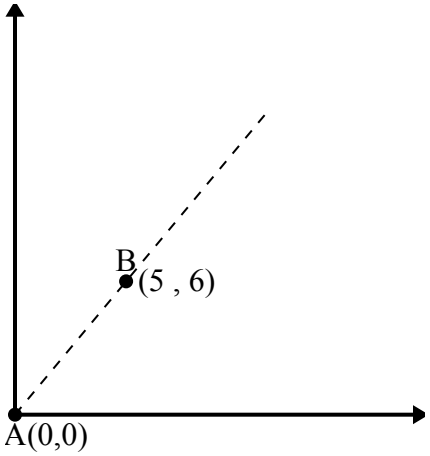
1)



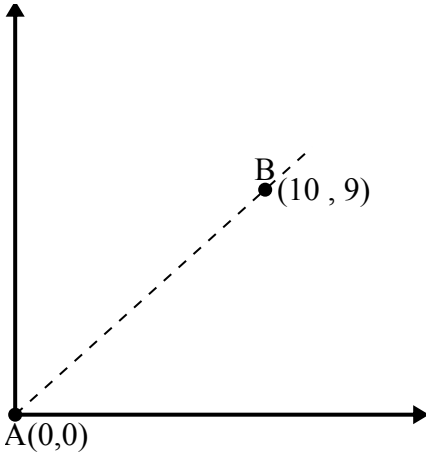
2)



3)



4)



Ответы

1. _____

2. _____

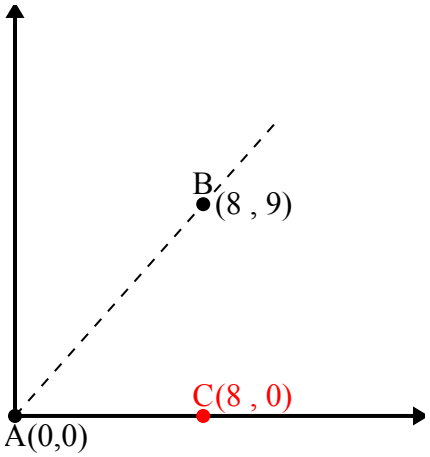
3. _____

4. _____

1-4	75	50	25	0

Используйте закон косинусов, чтобы найти угол точки B относительно точки A.

1)



$\overline{AB}$ length = 12.04

$\overline{AC}$ length = 8

$\overline{BC}$ length = 9

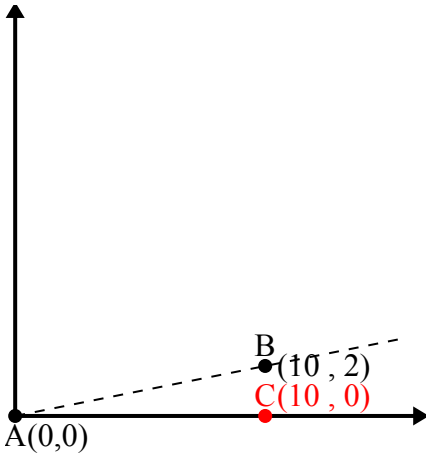
(145 + 64 + 81) : (2 × 12.04 × 8)

0.66

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

48.37°

2)



$\overline{AB}$ length = 10.2

$\overline{AC}$ length = 10

$\overline{BC}$ length = 2

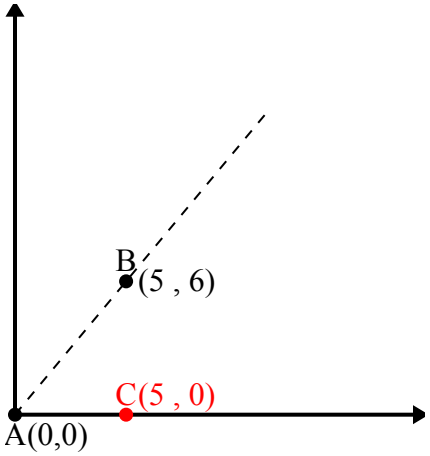
(104 + 100 + 4) : (2 × 10.2 × 10)

0.98

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

11.31°

3)



$\overline{AB}$ length = 7.81

$\overline{AC}$ length = 5

$\overline{BC}$ length = 6

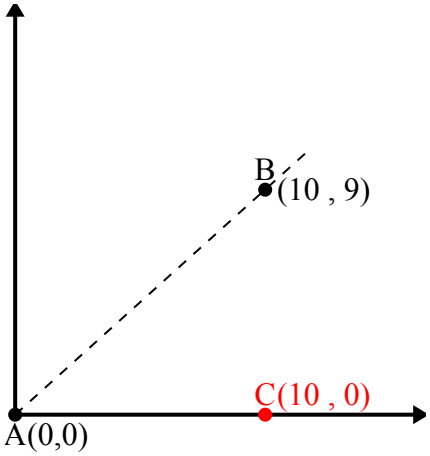
(61 + 25 + 36) : (2 × 7.81 × 5)

0.64

$\cos^{-1}(0.64)$

50.19°

4)



$\overline{AB}$ length = 13.45

$\overline{AC}$ length = 10

$\overline{BC}$ length = 9

(181 + 100 + 81) : (2 × 13.45 × 10)

0.74

$\cos^{-1}(0.74)$

41.99°

Ответы

1. 48,37°
2. 11,31°
3. 50,19°
4. 41,99°

1-4	75	50	25	0