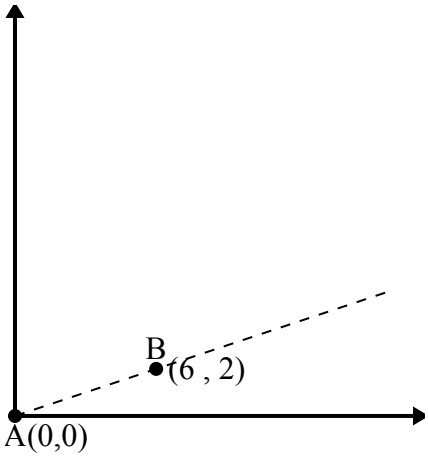
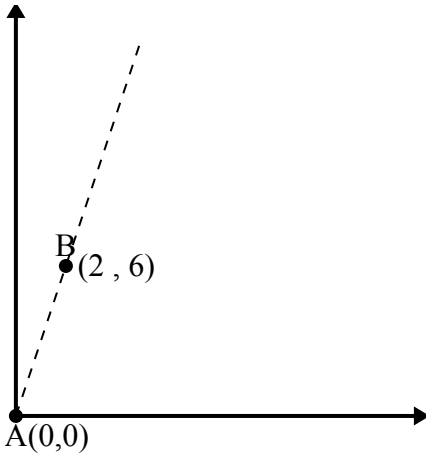
Применение закона косинусов Имя:

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

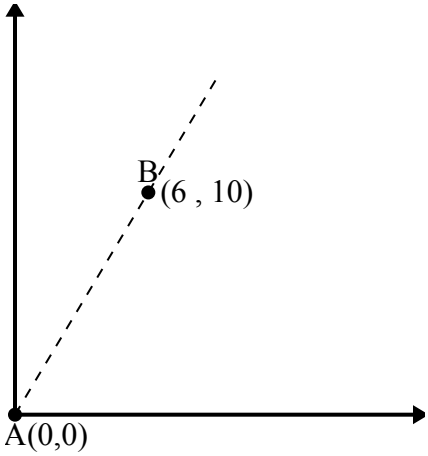
1)



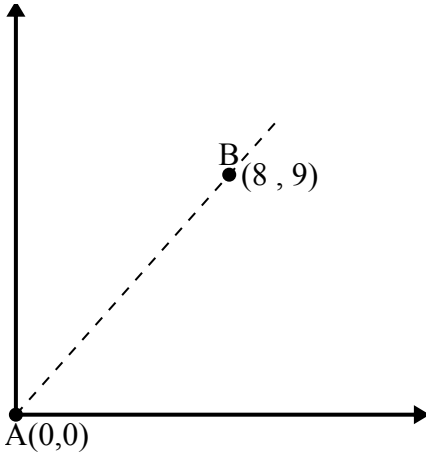
2)



3)



4)



Ответы

1. _____

2. _____

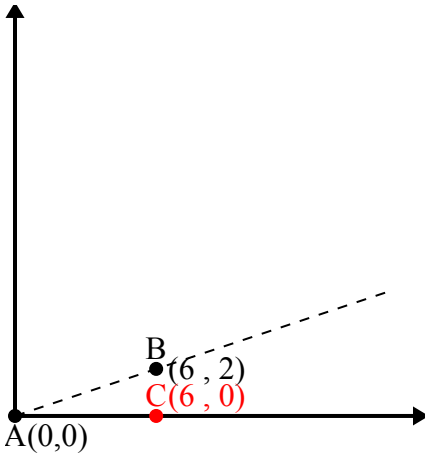
3. _____

4. _____

1-4	75	50	25	0

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

1)



$\overline{AB}$ length = 6.32

$\overline{AC}$ length = 6

$\overline{BC}$ length = 2

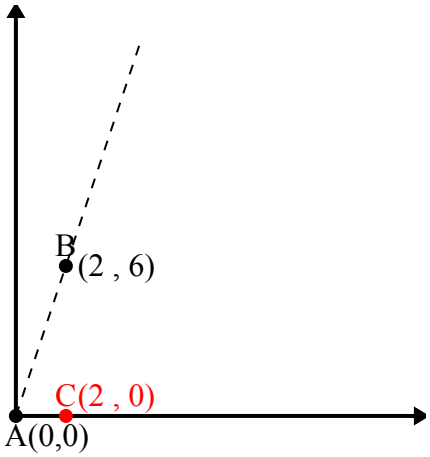
(40 + 36 + 4) : (2 × 6.32 × 6)

0.95

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

18.43°

2)



$\overline{AB}$ length = 6.32

$\overline{AC}$ length = 2

$\overline{BC}$ length = 6

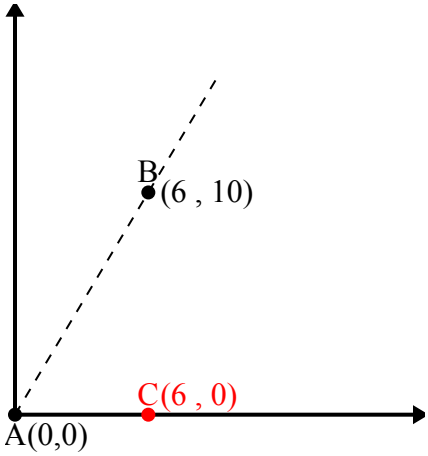
(40 + 4 + 36) : (2 × 6.32 × 2)

0.32

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

71.57°

3)



$\overline{AB}$ length = 11.66

$\overline{AC}$ length = 6

$\overline{BC}$ length = 10

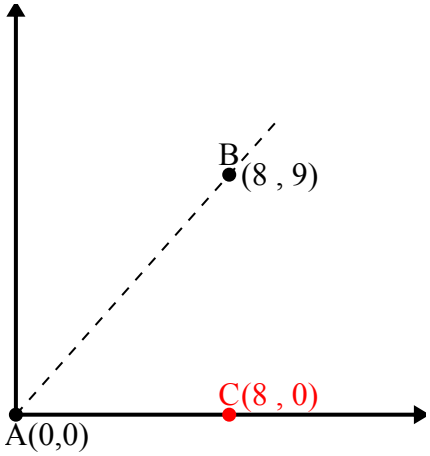
(136 + 36 + 100) : (2 × 11.66 × 6)

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) : (2 × 12.04 × 8)

0.66

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

48.37°

Ответы

1. **18,43°**
2. **71,57°**
3. **59,04°**
4. **48,37°**

1-4	75	50	25	0