```
import numpy as np
from numpy.linalg import norm
from scipy.spatial.distance import cdist
 a = np.array([4, -2])
 b = np.array([-3, 5])
 c = a - b
 normC = norm(c, ord=2)
 normA = norm(a, ord=2)
 normB = norm(b, ord=2)
 normA B = norm((a-b), ord=2)
 metricA_B = cdist(a[np.newaxis, :], b[np.newaxis, :],
metric='euclidean')
 dotAB = np.dot(a,b)
cos angle = dotAB / (normA * normB)
 angle = np.arccos(cos_angle)
print(c)
[7-7]
print(normC)
9.899494936611665
print(normA)
4.47213595499958
print(normB)
5.830951894845301
print(normA B)
9.899494936611665
print(metricA B)
[[9.89949494]]
print(dotAB)
-22
print(cos angle)
-0.8436614877321075
```

print(angle)

2.5748634360662868