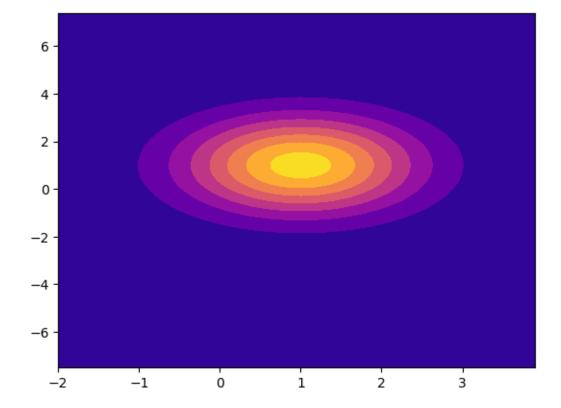
Question 6 p rts b,c

Septem er 2, 2023

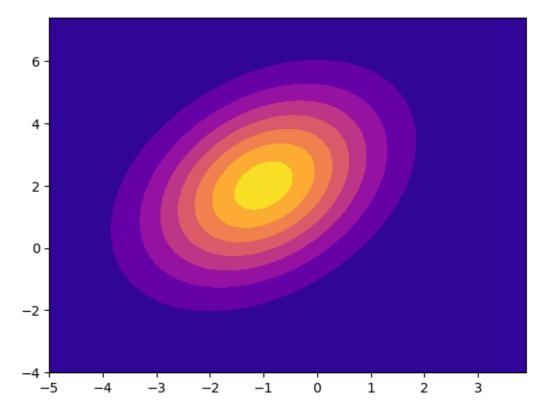
```
[21]: import numpy s np
import m tplotlib.pyplot s plt
from scipy.st ts import multiv ri te_norm l

x, y = np.mgrid[-2.0:4.0:.1, -7.5:7.5:.1]
rv = multiv ri te_norm l([1, 1], [[1, 0], [0, 2]])
d t = np.dst ck((x, y))
z = rv.pdf(d t )
plt.contourf(x, y, z, cm p='pl sm ', levels=8)
plt.show()
```



```
import numpy s np
import m tplotlib.pyplot s plt
from scipy.st ts import multiv ri te_norm l

x, y = np.mgrid[-5.0:4.0:.1, -4:7.5:.1]
rv = multiv ri te_norm l([-1, 2], [[2, 1], [1, 4]])
d t = np.dst ck((x, y))
z = rv.pdf(d t )
plt.contourf(x, y, z, cm p='pl sm ', levels=8)
plt.show()
```



[]: