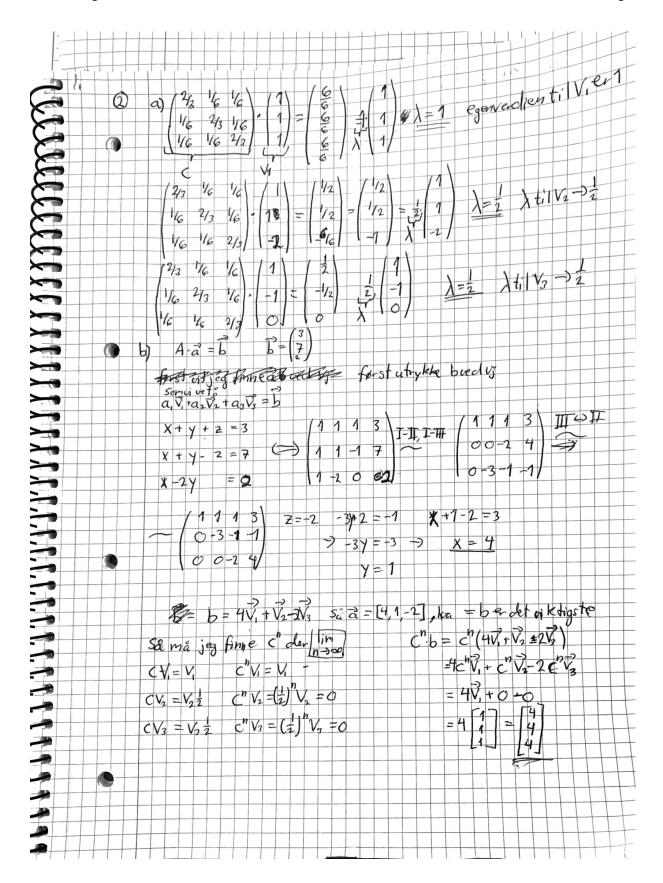


```
#c)
16
     A = np.transpose(np.array([v_1,v_2,v_3]))
17
     B = np.linalg.inv(A)
18
19
     print(np.dot(B,v_1))
20
     print(np.dot(B,v_2))
21
     print(np.dot(B,v_3))
22
23
     .....
24
25
     Terminal> Python.exe> 1.py
26
     [1. 0. 0.]
     [1.11022302e-16 1.00000000e+00 0.000000000e+00]
27
28
     [0. 0. 1.]
29
```



```
MAT1110 > OBLIG > 1 > ♥ 3a.py > ...
  1 \sim import numpy as np
       import matplotlib.pyplot as plt
      #tidsintervallet
      t = np.linspace(0, np.pi, 150)
       #funksjonen
  8 \sim \text{def } r(t):
           x = np.cos(t)
           y = np.sin(t)
           z = 4*np.sin(4*t)**2
 11
 12
           return x, y, z
 13
       x, y, z = r(t)
 14
      #plotter
 15
      fig = plt.figure()
       axis = fig.add_subplot(111, projection="3d")
 17
       axis.plot(x, y, z)
 18
       axis.set xlabel("x-akse")
 19
       axis.set_ylabel("y-akse")
 20
       axis.set zlabel("z-akse")
 21
       plt.show()
 22
 23
 25 🗸 """
       Terminal> Python.exe> 1.py
 27
```

SS

