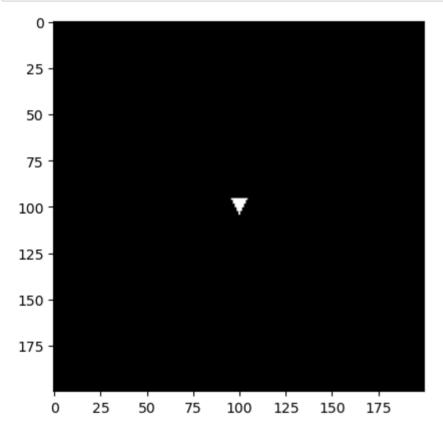
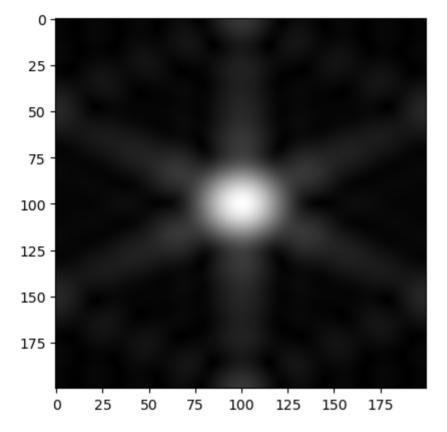
In [2]:



In [3]:

```
for i in range(len(img)):
    for j in range(len(img[0])):
        img[i][j] = img[i][j]*math.pow(-1,i+j)

# Fourier transform
img = fft2(img)
# show the difraction image
plt.imshow(np.abs(img), cmap='gray')
plt.show()
```



In []: