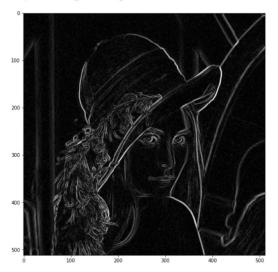
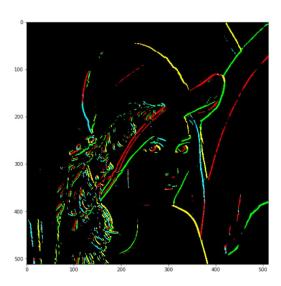
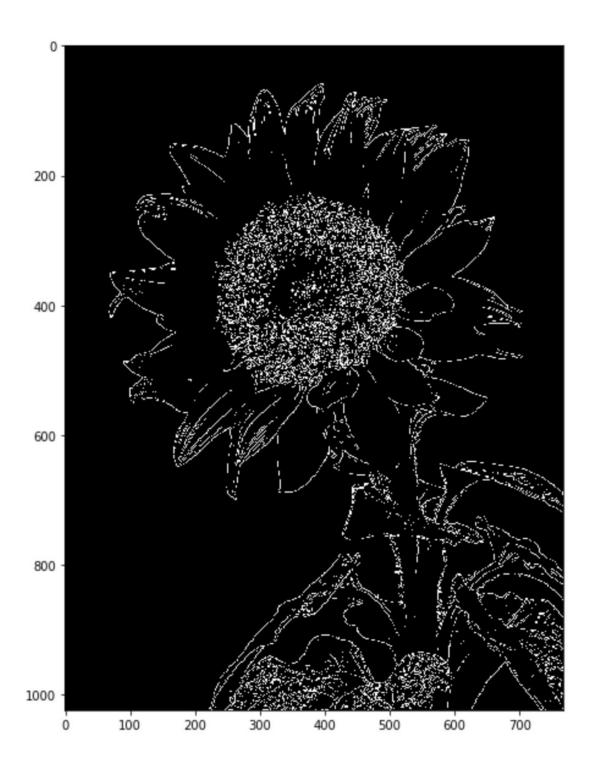
Out[11]: <matplotlib.image.AxesImage at 0x1df732bb6a0>





1.



2.

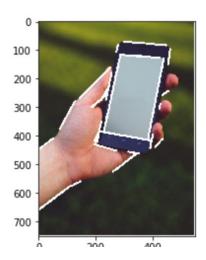
```
rho = 2
theta = np.pi/180
threshold = 50
min_line_length = 10
max_line_gap = 20
|
# Run Hough on the edge-detected image, get coordinates of Lines
lines = cv2.HoughLinesP( edges, rho, theta, threshold, np.array([]), 10, 20)
# Iterate over the output "Lines" and draw Lines on the image copy

for line in lines:
    for x1,y1,x2,y2 in line:
        cv2.line(line_image,(x1,y1),(x2,y2),(255,255,255),5)

plt.imshow(line_image)

## TODO
#Try Line detection on different images
```

<matplotlib.image.AxesImage at 0xb31b5b0>



3.

```
rho = 1
theta = np.pi/180
threshold = 200
min_line_length = 100
max_line_gap = 5

# Run Hough on the edge-detected image, get coordinates of lines
hall_lines = cv2.HoughLinesP( edges_hall, rho, theta, threshold, np.array([]), min_line_length, max_line_gap)
# Iterate over the output "lines" and draw lines on the image copy

for line in hall_lines:
    for x1,y1,x2,y2 in line:
        cv2.line(hall_image,(x1,y1),(x2,y2),(255,255,255),5)
plt.imshow(hall_image)
```

<matplotlib.image.AxesImage at 0x268467f0>



