1. Which ImageWin object method do you use to

   a. (2 pts) to create a new image window of width=300 and height=200 pixels titled “CS8 example window”

   b. (2 pts) to obtain the position of the mouse click on the window

   c. (2 pts) to close the image window and exit when the mouse is clicked.
2. (4 pts) Consider the function `verticalFlip` on page 223 (Listing 6.10) of the text. Rewrite this function so that it flips an image in place (i.e. without making use of `newim` of the code).
3. Begin a Python session and type the following lines in the Python shell:

```python
from cImage import *
myWin = ImageWin("HW 9 Drawing", 400, 300)
```

a. (2 pts) Describe what happened after you typed these lines, including the effects of specifying the three arguments: "HW 9 Drawing", 400, 300.

Now type the following two lines.

```python
image = EmptyImage(400, 300)
image.draw(myWin)
```

b. (2 pts) Did anything appear to happen in the drawing window? Explain.

Finally type the following code segment:

```python
magentaPixel = Pixel(255, 0, 255)
for i in range(100, 200):
    for j in range(100, 200):
        image.setPixel(i, j, magentaPixel)
image.draw(myWin)
```

c. (2 pts) Describe what happened.
4. (6 pts) **Mirroring** is a manipulation similar to flipping. When producing a mirror, the pixels on one side (say left) of vertical line in the middle of the image are reflected back on the other side. In such a mirror operation, the right half of the pixels in the original image are lost. Implement a mirror on the vertical axis of a given image.
5. (3 pts) Read section 6.4 at least through part 6.4.1. Then examine the following function definition:

```python
def addTwo(value):
    print("entering addTwo, value:", value)
    value = value + 2
    print("leaving addTwo, value:", value)
```

Explain why the following results occur when this function is used in the Python shell:

```python
>>> value = 10
>>> addTwo(value)
entering addTwo, value: 10
leaving addTwo, value: 12
>>> print(value)
10
```
6. (4 pts) Please comment on your pair programming experience and your perceived share of work for CS8 labs and projects.