Picture 1:

a. Original

Original Image

b. Reduced width and height by 200 each using seam carving

Resized Image
d. Dimensions : 720x540  ➔ Dimensions : 540x405

e. reduceWidth(pic,200) followed by reduceHeight(pic,200)

f. The face had a higher energy function because of the scuba mask so it’s almost untouched. As a result the face is fine. The shoulder and parts of the body instead got the cut.
2.

a. Original Image

Source: http://www.esacademic.com/dic.nsf/eswiki/746920

b. Seam Carving

c. Imresize
d. Dimensions : 854x728 ➔ Dimensions : 854x428

e. reduceWidth(pic,250)

f. digital liposuction. Reducing the body size of the target person
3.

a. **Original Image**
b. Seam Carving

Resized Image

![Resized Image: imresize](image)

c. Image Resize

Resized Image: imresize

![Resized Image: imresize](image)
d. Dimensions : 900x602 ➔ Dimensions : 400x400

e. reduceWidth(pic,500) followed by reduceHeight(pic,202)

f. Seam Carving Fail ! this picture has a lot of high energy areas therefore seam carving doesn’t work well with it. Makes for cool art though if you like tears in the fabric of reality.
4.

a. **Original Image**

![Original Image]

b. **Seam Carving**

![Resized Image]
c. Image Resize

Resized Image: imresize

![](Resized Image: imresize)

d. Dimensions: 640x480 ➞ Dimensions: 640x400

e. reduceHeight(pic, 100)

f. sample
5.

a. Original Image
b. Seam Carving

Resized Image
c. Image Resize

Resized Image: imresize

![Resized Image](image.png)

d. Dimensions : 775x769 ➔ Dimensions : 775x669

e. reduceWidth(pic,100)

f. sample