Name:	ID#	Date: **Sunday March 23rd, 2008**

Q1: Show the effects on the image below of:

(a) Applying a 3×3 smoothing filter

(b) Applying a 3×3 median filter

(c) Applying a 3×3 smoothing filter followed by the median filter

(d) Applying a 3×3 median filter followed by the smoothing filter

Explain and comment on your answers?

Note: Assume for the borders that the rest of the picture extends in all direction with the value of 1.

(Image)

1	1	1	1	1
1	1	1	1	1
1	1	55	1	1
1	1	1	1	1
1	1	1	1	1

(a)

(b)

(c)

(d)