



**Electrical Engineering Department**  
**EE 410 Digital Image Processing (052)**  
**Instructor: Dr. Omar A. Al-Swailem**



Name:	ID#	Date: Wednesday April 12 <sup>th</sup> , 2006
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1- Indicate the True and False statements fro the following:

Note please that Correct Answer = 2.0 point, No Answer = 0.0 point, Wrong Answer = -1 point.

- Ringing effects result from the ideal crisp characteristics of the low or high pass filter .
  
- Homomorphic filters can be used to operate separately on filtering images that was formed by the product of two images.
  
- Frequency domain enhancement techniques enable the user to know the frequency content of the image and work on filtering them according to his needs.
  
- Changing the size of the cutoff frequency of the low or high pass filter does not affect the power contained in the filtered image.
  
- Butterworth and Gaussian filters reduce the ringing effects.