

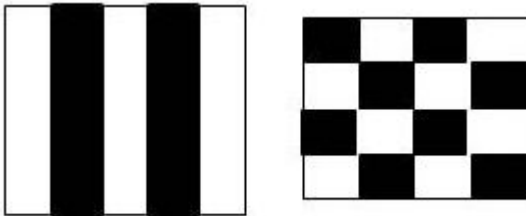
## Pop Quiz (Week 5) [ 15 mins] – 14 pts

Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

- 1) [2] Consider the following two images. Their histograms are

- a) Identical
- b) Different
- c) Similar



- 2) [2] Consider two spectra that yield the same tristimulus values. Mark all that is true.

- a) The two spectra are identical
- b) The two spectra create the same sensation in the human eye
- c) There can be other spectra with the same tristimulus values.

- 3) [1] Saturation defines

- a) The dominant wavelength of a color
- b) The amount of gray in a color
- c) The brightness of a color

- 4) [1] Global histogram stretching can create which of these artifacts.

- a) Blotchiness
- b) Burn and dodges
- c) White imbalance

- 5) [1] Salt and pepper noise is best handled by

- a) Self-similarity filter
- b) Box filter
- c) Median filter

- 6) [1] Consider colors on a ray originating at the origin of the XYZ space. These colors have same

- a) Intensity
- b) Hue
- c) Saturation

7) [2] The cumulative histogram function is a

a) Discontinuous function

b) Continuous function

c) Monotonically increasing function

8) [4] Match the spectra on the right with the objects on the left.

