

## Chapter 2:

- 2.2) Compute the size of a 640 x 480 image at 240 pixels per inch.
- 2.3) Compute the resolution of a 2 x 2 inch image that has 512 x 512 pixels.
- 2.5) If an image has a height of 2 inches and an aspect ratio of 1.5, what is its width?
- 2.6) If we want to resize a 1024 x 768 image to one that is 640 pixels wide with the same aspect ratio, what would be the height of the resized image?
- 2.9) Find the CMY coordinates of a color at (0.2,1,0.5) in the RGB space.
- 2.10) Find the RGB coordinates of a color at (0.15,0.75,0) in the CMY space.
- 2.11) If we use direct coding of RGB values with 2 bits per primary color, how many possible colors do we have for each pixel?
- 2.12) If we use direct coding of RGB values with 10 bits per primary color, how many possible colors do we have for each pixel?
- 2.14) If we use 12-bit pixel values in a lookup table representation, how many entries does the lookup table have?