**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?