Chapter 3 Review and Discuss Questions

Nathan Warner

Jan 27, 2023

Question 1

Name the two types of digital imaging programs and differentiate them.

Answer: 😄

The two types of digital imaging programs are:

- Paint Programs
- Drawing Programs

Paint Programs use pixels to create images whereas drawing programs use vectors or lines that are defined by math. Vector images can be resized without distorting the image

Question 2

Identify the advantage of using a raster graphic.

Answer: 😄

Raster images carry a wide range of color options for the pixels that make up the image.

Question 3

identify the advantage of using a vector graphic.

Answer: 😄

Vector Graphics can be resized without distorting the image.

Question 4

Describe the advantages and disadvantages of cloud computing.

Answer: 😄

Cloud Computing can give users access to imaging software through the interent. These services are usually pretty cheap. However you must have an internet connection to use them.

Question 5

Explain why it is important to understand file extensions.

Answer: 😄

It is important to understand file extensions because some programs can only import images with certain formats. Also, some images will look better if saved in a certain format rather than a different one. Furthermore, sometimes you need a smaller image file to be loaded quickly on the internet.

Question 6

List at least four types of bitmap image extensions.

Answer: 😄

- BMP
- PNG
- JFG
- TIF

Question 7

Differentiate between an AI vector file and an SVG or EPS one.

Answer: 😄

An AI vector file is a native vector file format and comes from Adobe Illustrator. SVG and EPS vector formats are nonnative.

Question 8

Explain why images are compressed.

Answer: 😄

Images are compressed in order to reduce the size that the image takes up on disk.

Question 9

Differentiate between lossy and lossless compression.

Answer: 😄

Lossy compression deletes or changes some pixels while lossless reduces the file size without losing any pixels.

Question 10

Explain what happens to an image if you resize it with resampling selected.

Answer: 😄

Resampling allows for adding or removing pixels when you resize an image. When resampling is on, the resolution of the file will not change if you change the size of the image