**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class Hour: \_\_\_\_\_\_\_**

**21st Century Technology Vocabulary - Chapter 3 Worksheet**

Please fill in the blanks with the words that complete the definition correctly.

1. The ratio of the width to the height of an image is called a/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is data-carrying capacity of an Internet connection (the speed at which a computer can transmit information along a network), usually measured in nits per second; the higher the bandwidth, the less time is spent browsing the Web or displaying Web media.
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the process of reducing the size of the image. Lossy compression reduces the size of the image file by removing information that is not essential.
4. A general term for graphics software that uses mathematically defined lines to create an image is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. GUI is an acronym for\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The GUI makes it possible to use a device, such as a mouse, to interact with a computer.
6. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a general term for graphics software that uses pixels to create an image.
7. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ consists of a specific color at a specific location in a matrix or grid. A collection of pixels produces an image on a computer screen or on a printed page.
8. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the number of pixels in a row and column of a raster grid.
9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the adding or deleting image pixels during the process of resizing.
10. The density of pixels in an image is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.