

Math 110 Math Apps Art, Fall 2018
Assignment 3
Due: Tuesday, October 9, 2018

Name: _____

This assignment has a little more math, but it's good practice for what's coming up after Fall Break.

You can write your work on this sheet, or on a separate piece of paper. **SHOW ALL WORK for full credit.**

1. Each of the numbers below is a decimal (base 10) number. Convert the number to the base shown.

(a) 208 to base 3

(b) 110 to base 12

(c) 623 to base 16

Continued \Rightarrow

2. Convert the binary number

11110000110

to a decimal value.

3. You would like to color a certain image with the RGB color (47, 113, 123), but the computer language you're programming in only accepts hex color values. Convert the RGB color value to its Hex equivalent.