Extra Credit

1. Integer value does not include values after the decimal place. While floating point value includes values after the decimal point. Integer only includes binary values to represent the values to the left of the decimal place. The exponential of 2 is only 0 to positive values. Floating point includes the negative exponents of 2. Floating point is more precise because, it includes fractional values of 2, while integer does not.

1. Single-precision is a limitation with this algorithm. You can only have 23 bit values and an exponent of with a value of 8 bits. The last bit is reserved for positive or negative value, but this will be always being positive or else there could not be a square root. So the value for this single-precision value as n goes to 7 is 01000100011110001010001001100000. The difference error between this value at n = 7 is less than if the last value of this number is turned on. 994.5372 is value if the last bit is turned on which is greater than 0.0000218 which is the different between the value at n=7 and the number excel gave.