## Mathematics, Magic & Mystery

# (27 Total Points)

**Directions: Provide an answer for each question directly after the question on the copy of this document that you saved to your drive – please save it with the same name I have given it. When appropriate, you need to answer in complete sentences.**

Follow the link to [MathAware.org](http://www.mathaware.org/mam/2014/).

Scroll down the page until you see the section titled "Mathematics, Magic, and Mystery Revealed!" with the 30 math activities under it. If there aren't links to all of the topics, choose 1 and then on the page that appears, there is a section called navigate calendar. You should be able to go left and right through the topics and get to them from there.

**Choose 3 that interest you** - you may have to look at more than 3 to find 3 that interest you. Answer the following questions for each: (9 pts each)

1. What was the title?

Golden Ratio

Rope Tricks

Thinky the Dragon

1. What did you find interesting about it?

How It appears in so many places in nature.

All the neat stuff that you can do with ropes.

How your brain can be tricked.

1. How might you use what you learned in a program?

Mostly the last one, I can use false appearances to make it look like a well written program.