Name and Partner (if applicable) _____ **Date turned in**_____

<u>Exponent Laws Math Project</u> – this paper must be turned in with your project.

Prepare a project, using one of the formats outlined below, that describes the exponent laws covered in class.

Here is the **list of requirements** and what needs to be communicated in your final product:

- *A description of the exponent laws for **<u>multiplying</u>** and **<u>dividing</u>** powers with the same base*
  - *Provide an example of each and a detailed solution.*
- *A description of the **<u>power of a power law</u>***
  - *Provide an example and a detailed solution.*
- *A description of the **<u>negative</u>** and **<u>zero</u>** exponent laws*
  - *Provide an example of each and a detailed solution.*
- *Examples of each exponent law must be original (must not include examples from our class notes or examples found in the textbook).*

You may choose **<u>one</u>** of the following formats:

1) **Create a comic strip:**

- The comic strip must contain:
  - a minimum of 8 panels (the cartoon above contains only 4 panels)
  - clearly drawn characters
  - element(s) of humor, irony, drama, …

2) **Create a song:**

- The song must contain:
  - 1 page of lyrics (double spaced)
  - 2 – 5 minute presentation (either live or recorded)
  - A parody of an existing song or an original work
  - An professional delivery (dramatic, humorous, …)

3) **Create a video:**

- This video must contain:
  - A script
  - 2 – 5 minute presentation (either live or taped)
  - A parody of an existing tv/film production or an original work
  - A professional delivery (dramatic, humorous, informative, …)

4) **Create a skit:**

- The skit must contain:
  - A script
  - Between 2 – 5 minutes of demonstration time
  - A physical model, prop, object, or product
  - A professional delivery (dramatic, humorous, informative, …)

5) **Create a brochure OR a poster:**

- This must contain:
  - Images/pictures
  - A professional appearance

6) **Create a website OR a PowerPoint presentation:**
   - This must contain:
     - Images/pictures
     - A professional appearance

You may choose to **work alone** or **with a partner**.

You will be evaluated on how complete and thorough your product is, the quality of your project, the use of your own words, the visual impact of your final product, and how well you communicate your knowledge. Please refer to the detailed scoring rubric below for the mark breakdown and to determine how you will be evaluated.

You will be given a limited time in class to work on this project, so if you choose to work with a partner, ensure that you will be able to communicate adequately and put the project together on your own time.

Here are some **due dates**:

Date for choosing a partner (if applicable) and a format: _____
Date(s) for working on the project in-class _____
Due Date/Presentation Date: _____

Exponent Laws Project Scoring Rubric

Report Component	Criteria	Score
Math Content	• The student provides a detailed description of the exponent laws for negative and zero exponents, multiplying and dividing powers with the same base as well as the power to a power law.	____/5
	• The student has provided a thoughtful example of each exponent law and a clear and thorough solution for each.	____/10
	• The examples of each exponent law are original.	____/5
	• Student shows thorough understanding of the exponent laws with a high degree of effectiveness.	____/5
Communication	• Creative presentation of ideas	____/5
	• Descriptions of the 5 exponent laws are in the students own words.	____/5
	• Clear communication of ideas	____/10
	• All required elements are present including additional elements that add to the project (e.g. many graphics are included and are all relevant to the material being presented, etc.).	____/5
	• Spelling and grammar • Neat, organized and professional presentation	____/5 ____/5
IMPORTANT INFORMATION: This project will count as a test grade, 2 homework assignment grades and 2 classwork assignment grades. You will lose 5 points for each day late! You may earn up to 3 points for each day early (3 days early = 3 points, etc.)		
FINAL GRADE:_____/ 60 = _____%		