**Technical Writing Introductions**

All of the writing assignments you will see in this class are mathematical problems in the context of a particular situation. When you are writing about a contextual problem, it is necessary to start your writing with an introduction to the problem. You are assuming the reader was not given the problem, but instead, must rely on your paper to fully understand the assignment as well as the answer.

All technical writing introductions should include a restatement of the given information in your own words, as well as a general purpose/thesis statement telling the reader what will be discussed in the assignment.

1. Read the given sample technical writing assignment.

**Sample Problem:**

The population of monkeys on in a particular country (in thousands) can be modeled by the equation , where ***t*** represents the time in years since 1960.

1. Using , determine when the population will reach its maximum and how many monkeys there will be at that time.
2. Determine the appropriate domain for this function in the context of the situation.
3. Below are several introductions written for the given sample problem. Using each number only once, rank (1-4) each of the introductions, with 4 being the best.

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| **Rank (1-4)** | **Introduction** |
|  | **A –** An equation was given for the population of monkeys. Calculations will be done using this equation. |
|  | **B –** An equation, , was given to represent the population of monkeys in a certain country. ***P*** represents the population in thousands, while ***t*** is the time in years since 1960. From this equation, the maximum population will be determined as well as when it occurred. An appropriate domain will also be found. |
|  | **C –** The population of monkeys on in a particular country (in thousands) can be modeled by the equation , where ***t*** represents the time in years since 1960. Using , determine when the population will reach its maximum and how many monkeys there will be at that time. Determine the appropriate domain for this function in the context of the situation. |
|  | **D –** The population of monkeys can be modeled by the equation . ***t*** represents the time in years since 1960. The maximum population was 36.656 thousand monkeys in 1965. The domain for this situation would be , 1960 to 1972. |

1. Briefly explain, in complete sentences, each of your rankings. (For example, which introduction did you give a ranking of 4? Why did you rank that introduction a 4?)