Introduction to Mathematical Thinking – Assignment 1 Solutions

1. Two possible responses are:
   1. The man saw a woman through his telescope
   2. The man saw a woman with her telescope
2. Rewriting each statement as follows:
   1. Sisters reunited after 10 years at a Safeway checkout line
   2. City authorities looking into why a large hole appeared in High Street
   3. Mayor introduces bus seatbelts as new safety measures
3. Original: NO HEAD INJURY IS TOO TRIVIAL TO IGNORE
   1. Rewritten: Please see a doctor if you sustain any head injuries
4. Original: IN CASE OF FIRE, DO NOT USE ELEVATOR
   1. Comment: the first (original) meaning is straight-forward, the alternative meaning could imply that the elevator should be used if the fire is inside the elevator, which is obvious
   2. Rewritten: Please do not use the elevator in the case of a fire emergency
5. Original: THIS PAGE INTENTIONALLY LEFT BLANK
   1. Rewritten: You have reached the end of the [book/manual/document]
6. Three examples of such citations are as below:
   1. Asdfasdf
      1. Rewritten:
   2. Asfdasdf
      1. Rewritten:
   3. Df5rere
      1. Rewritten
7. Original: the temperature is hot today
   1. Explanation: what the phrase is saying is that the temperature today is higher than usual and therefore makes the speaker “hot”
8. Based on the online tutorial, all one has to do is to keep multiplying subsequent prime numbers together until it reaches a number that is not prime, which the example has shown it’s

Just for Fun Questions: