**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_**

**BOX QUIZ 8**

**Answer the following questions and show all work.**

|  |  |
| --- | --- |
| **Identify the pattern as geometric or arithmetic and find the next three terms.**  ***3125, 625, 125,***  ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***  ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** | **How many squares, of any possible size, are on a 3 × 3 chessboard?** |
| ***Given the number 2,571,345:***  (a) Round to the millions place  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (b) Round to the hundreds place  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (c) Round to the hundred  thousands place  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (d) Round to the tens place  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Fill in the truth table for Disjunction.**   |  |  |  | | --- | --- | --- | | ***p*** | ***q*** | ***p v q*** | | ***T*** | ***T*** |  | | ***T*** | ***F*** |  | | ***F*** | ***T*** |  | | ***F*** | ***F*** |  | |