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

**ANSWER KEY**

**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,***  geometric  ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***  75, 15, 3  ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** | **How many squares, of any possible size, are on a 3 × 3 chessboard?**  02 + 12 + 22 + 32 = 0 + 1 + 4 + 9 = 14 |
| ***Given the number 2,571,345:***  (a) Round to the millions place  3,000,000  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (b) Round to the hundreds place  2,571,300  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (c) Round to the hundred  thousands place  2,600,000  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (d) Round to the tens place  2,571,350  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Fill in the truth table for Disjunction.**   |  |  |  | | --- | --- | --- | | ***p*** | ***q*** | ***p v q*** | | ***T*** | ***T*** | T | | ***T*** | ***F*** | T | | ***F*** | ***T*** | T | | ***F*** | ***F*** | F | |