**EXPONENTS – EXAM REVIEW #6**

*Simplify using properties of exponents.* ***Show all work****.*

 **1.**  **2.** (5)(4) **3.**

 **4.**   **5.**  **6.**

**7.**  **8.** **9.**

 **10.****11.**

*Express each number in* ***scientific notation****.*

**12.** 980,200,000,000,000

**13.** 0.00142

*Express each number in* ***standard form****.*

**14.** 1.86 ×

**15.** 4.9 ×

*Simplify each expression. Give your final answer in* ***scientific notation****.* ***Show all work****!*

**16.**  **17.** (1.35 × )(7.2 × )

*Determine if the given equation demonstrates* ***exponential growth****,* ***exponential decay****, or* ***neither****.*

**18.**  **19. 20.**

**21. 22. 23.**

*Determine if the given table expresses* ***exponential behavior****.* ***Show how you know****!*

**24.**  **25.** 