

Name _____

[06-09-20-T11-G]
 $f(x) = a(x - h)^2$

- **A. Discuss the function f defined by $f(x) = (x - 5)^2$. Give complete answers using correct notation.**
 - **1. Domain**

 - **2. Range**

 - **3. Zeros**

 - **4. Asymptotes: There are none**

 - **5. Extreme values (maximum, minimum).**

 - **6. Monotonicity (increasing, decreasing)**

 - **7. Symmetry (state the line of symmetry, if it exists)**

 - **8. Rate of change (constant or variable? Support your answer)**