**Algebra 2 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4.2 Assignment p233**

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| --- | --- | --- |
| **14.** | **15.** | **16.** |
| **17.** | **18.** | **19.** |

|  |
| --- |
| **20.** |

**Use the calculator graph and find the roots. Round to the nearest hundredth is necessary.**

|  |  |  |
| --- | --- | --- |
| **41.** | **42.** | **46.** |

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| --- | --- | --- |
| **58.** | **59.** | **60.** |

**Graph the quadratic function by make a table to 5 values and then state the following:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | X | Y | |  |  | |  |  | |  |  | |  |  | |  |  |   **1.**  **a. y-intercept : \_\_\_\_\_\_\_\_**  **b.  : \_\_\_\_\_\_\_\_**  **c. vertex : \_\_\_\_\_\_\_\_**  **d. AOS : \_\_\_\_\_\_\_\_**  **e. minimum or maximum? : \_\_\_\_\_\_\_\_**  **f. value of minimum or maximum : \_\_\_\_\_\_\_\_**  **g. Domain : \_\_\_\_\_\_\_\_**  **h. Range : \_\_\_\_\_\_\_\_** |
| |  |  | | --- | --- | | X | Y | |  |  | |  |  | |  |  | |  |  | |  |  |   **2.**  **a. y-intercept : \_\_\_\_\_\_\_\_**  **b.  : \_\_\_\_\_\_\_\_**  **c. vertex : \_\_\_\_\_\_\_\_**  **d. AOS : \_\_\_\_\_\_\_\_**  **e. minimum or maximum? : \_\_\_\_\_\_\_\_**  **f. value of minimum or maximum : \_\_\_\_\_\_\_\_**  **g. Domain : \_\_\_\_\_\_\_\_**  **h. Range : \_\_\_\_\_\_\_\_** |
| |  |  | | --- | --- | | X | Y | |  |  | |  |  | |  |  | |  |  | |  |  |   **3.**  **a. y-intercept : \_\_\_\_\_\_\_\_**  **b.  : \_\_\_\_\_\_\_\_**  **c. vertex : \_\_\_\_\_\_\_\_**  **d. AOS : \_\_\_\_\_\_\_\_**  **e. minimum or maximum? : \_\_\_\_\_\_\_\_**  **f. value of minimum or maximum : \_\_\_\_\_\_\_\_**  **g. Domain : \_\_\_\_\_\_\_\_**  **h. Range : \_\_\_\_\_\_\_\_** |