**1. Complete the following statement.**

|  |  |
| --- | --- |
| **a.** | The range of the \_\_\_\_\_\_\_\_\_\_\_\_\_relation is the domain of the \_\_\_\_\_\_\_\_\_\_\_\_relation, and the range of the \_\_\_\_\_\_\_\_\_\_\_\_\_relation is the domain of the \_\_\_\_\_\_\_\_\_\_\_\_\_ relation. |
| **b.** | The graphs of the function and the inverse function are reflections across the line . |
| **c.** | If a function is \_\_\_\_\_\_\_\_\_\_\_\_, it has an inverse function |

**2. Write T for true or F for false**

|  |  |  |
| --- | --- | --- |
| **a.** |  |  |
| **b.** | **and** |  |

**Multiple Choices**

**3.** **If**  **and then is:**

|  |  |  |
| --- | --- | --- |
| **a.** |  |  |
| **b.** |  |  |
| **c.** |  |  |

**4. If** **, the value of is:**

|  |  |  |
| --- | --- | --- |
| **a.** |  |  |
| **b.** |  |  |
| **c.** |  |  |

**5. If**  **and , then is:**

|  |  |  |
| --- | --- | --- |
| **a.** |  |  |
| **b.** |  |  |
| **c.** |  |  |

**ANSWERS**

**1. Complete the following statement.**

|  |  |
| --- | --- |
| **a.** | The range of the original relation is the domain of the inverse relation, and the range of the inverse relation is the domain of the original relation. |
| **b.** | The graphs of the function and the inverse function are reflections across the line y=x. |
| **c.** | If a function is one-to-one, it has an inverse function |

**2. Write T for true or F for false**

|  |  |  |
| --- | --- | --- |
| **a.** |  | **F** |
| **b.** | **and** | **T** |

**Multiple Choices**

**3.** **If**  **and then is:**

|  |  |  |
| --- | --- | --- |
| **a.** |  |  |
| **b.** |  |  |
| **c.** |  |  |

**4. If** **, the value of is:**

|  |  |  |
| --- | --- | --- |
| **a.** |  |  |
| **b.** |  |  |
| **c.** |  |  |

**5. If**  **and , then is:**

|  |  |  |
| --- | --- | --- |
| **a.** |  |  |
| **b.** |  |  |
| **c.** |  |  |