**1. Complete the following statement.**

|  |  |
| --- | --- |
| **a.** | A point where the graph intersects or meets the $x$ or $y$ axis is called **\_\_\_\_\_\_\_\_\_\_\_\_\_.**  |
| **b.** | The zeros of function $f\left(x\right) $are $\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_$ for which $f\left(x\right)=0$  |

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

|  |  |  |
| --- | --- | --- |
| **a.** | To find the zeros of a function, set the function equal to zero and solve for the independent variable. |  |
| **b.** | If $ f\left(x\right) $is an odd function, then the graph is symmetric to the origin. |  |

**Multiple Choices**

**3. The zero of** $f\left(x\right)=2x-4$

|  |  |  |
| --- | --- | --- |
| **a.** | $$(0,2)$$ |  |
| **b.** | $$(2,0)$$ |  |
| **c.** | $$(-4,0)$$ |  |

**4. Given the function** $f\left(x\right)=-x^{2}+3x-5, $**what is** $f\left(2\right)?$

|  |  |  |
| --- | --- | --- |
| **a.** | $$3$$ |  |
| **b.** | $$-3$$ |  |
| **c.** | $$9$$ |  |

**5. The domain of** $f\left(x\right)=\frac{2}{x-5}$

|  |  |  |
| --- | --- | --- |
| **a.** | $$(-\infty ,5)∪(5,\infty ,)$$ |  |
| **b.** | $$(-\infty ,5)$$ |  |
| **c.** | $$(-\infty ,5]∪[5,\infty ,)$$ |  |

**ANSWERS**

**1. Complete the following statement.**

|  |  |
| --- | --- |
| **a.** | A point where the graph intersects or meets the $x$ or $y$ axis is called **an intercept.**  |
| **b.** | The zeros of function $f\left(x\right) $are $x$ –values for which $f\left(x\right)=0$  |

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

|  |  |  |
| --- | --- | --- |
| **a.** | To find the zeros of a function, set the function equal to zero and solve for the independent variable. | **T** |
| **b.** | If $ f\left(x\right) $is an odd function, then the graph is symmetric to the origin. | **T** |

**Multiple Choices**

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