**Multiple choices**

|  |  |  |
| --- | --- | --- |
| **1.** | Which of the following is an even function? | |
|  | **a.)** | **b.)** |
|  | **c.)** | **d.)** |

|  |  |  |
| --- | --- | --- |
| **2.** | Given that is a point on a graph that is symmetric with respect to the origin, what other point is also on the graph? | |
|  | **a.)** | **b.)** |
|  | **c.)** | **d.)** |

**3. Complete the chart.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Tests for Symmetry** | **The graph of a relation is symmetric with respect to the x -axis** | **The graph of a relation is symmetric with respect to the y -axis** | **The graph of a relation is symmetric with respect to the origin** |
|  |  |  |  |

**4. Determine whether the following are even, odd, or neither.**

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

**5. Use the graph of function to approximate its zeros. Then find the zeros of each function algebraically.**

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**ANSWERS**

**Multiple choices**

|  |  |  |
| --- | --- | --- |
| **1.** | Which of the following is an even function? | |
|  | **a.)** | **b.)** |
|  | **c.)** | **d.)** |

|  |  |  |
| --- | --- | --- |
| **2.** | Given that is a point on a graph that is symmetric with respect to the origin, what other point is also on the graph? | |
|  | **a.)** | **b.)** |
|  | **c.)** | **d.)** |

**3. Complete the chart.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Tests for Symmetry** | **The graph of a relation is symmetric with respect to the x -axis** | **The graph of a relation is symmetric with respect to the y -axis** | **The graph of a relation is symmetric with respect to the origin** |
|  | ( | ( | ( |

**4. Determine whether the following are even, odd, or neither.**

|  |  |  |  |
| --- | --- | --- | --- |
| **a.** |  | **b.** |  |
|  | **The function is odd.** |  | **The function is neither.** |

**5. Use the graph of function to approximate its zeros. Then find the zeros of each function algebraically.**

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