Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_\_\_\_

Key Features Activity

|  |
| --- |
| **1. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **2. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |
| --- |
| **3. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **4. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |
| --- |
| **5. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **6. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |
| --- |
| **7. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **8. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **9. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **10. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |
| --- |
| **11. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **12. Function**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Identify the zeros/roots**: \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  \_\_\_\_\_\_\_\_\_\_ or ( , 0 )  **Graph at least 5 points and draw a parabola.**  **Are the zeros factors or critical values?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Does the graph have a minimum or maximum?** \_\_\_\_\_\_\_\_\_\_\_\_\_  **Axis of Symmetry**: x=\_\_\_\_\_\_\_ **Min/Max value**: y=\_\_\_\_\_\_\_\_\_\_  **Vertex**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Y-intercept is at: (0,c)**  c=\_\_\_\_\_\_\_  **Domain**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Range:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |