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

Key Features Activity

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| **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:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **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:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **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:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **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:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **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:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |