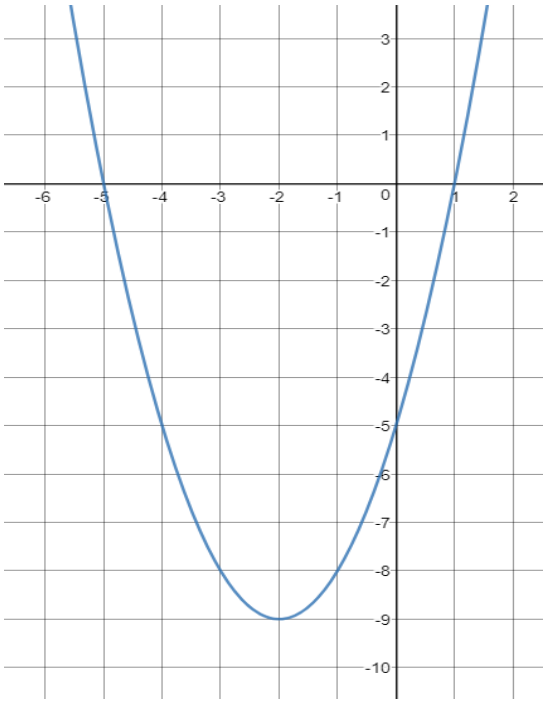
Name: _____

Date: _____ Per: _____

IM2 – 03 Key Characteristics of Graphs (Practice 2B)

1. Analyze the following graph, and determine its key characteristics:



Circle One for Each Row

1. Function or Not a Function
2. Continuous or Discrete
3. Curved or Straight Line(s)
4. Increasing, Decreasing, Both, or Neither

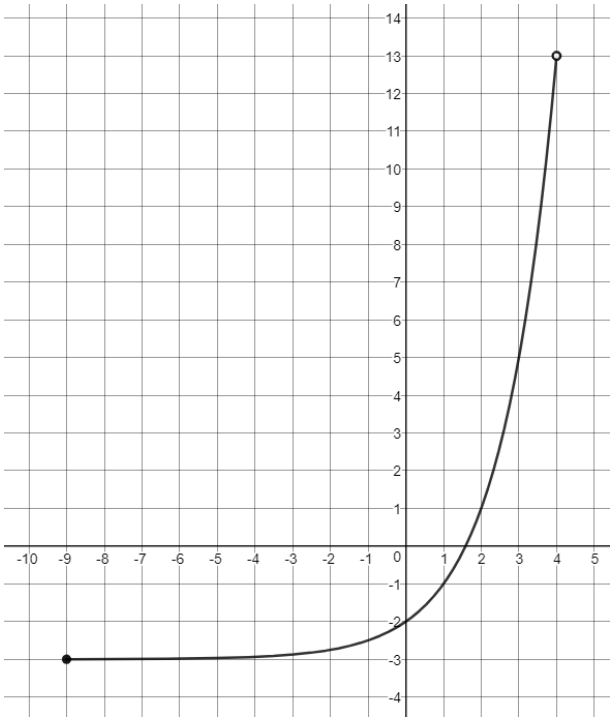
Circle & Fill in the Blank

5. Absolute Minimum: Yes / No, Location: _____
6. Absolute Maximum: Yes / No, Location: _____
7. Function Family: _____

Fill in the Blanks using Inequality Notation

8. Domain: _____
   - Interval(s) of Increase: _____
   - Interval(s) of Decrease: _____
9. Range: _____

2. Analyze the following graph, and determine its key characteristics.



Circle One for Each Row

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3. Curved or Straight Line(s)
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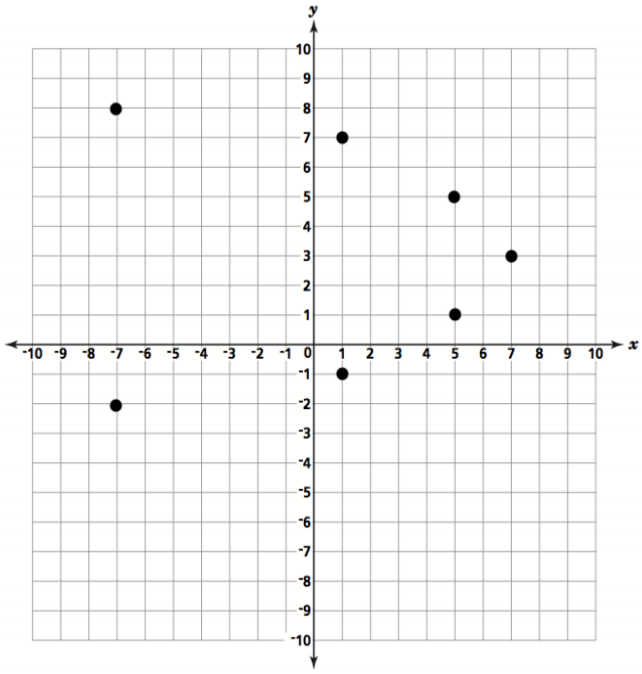
Circle & Fill in the Blank

5. Absolute Minimum: Yes / No, Location: _____
6. Absolute Maximum: Yes / No, Location: _____
7. Function Family: _____

Fill in the Blanks using Inequality Notation

8. Domain: _____
   - Interval(s) of Increase: _____
   - Interval(s) of Decrease: _____
9. Range: _____

3. Analyze the following graph, and determine its key characteristics:



Circle One for Each Row

1. Function or Not a Function
2. Continuous or Discrete
3. Curved or Straight Line(s)
4. Increasing, Decreasing, Both, or Neither

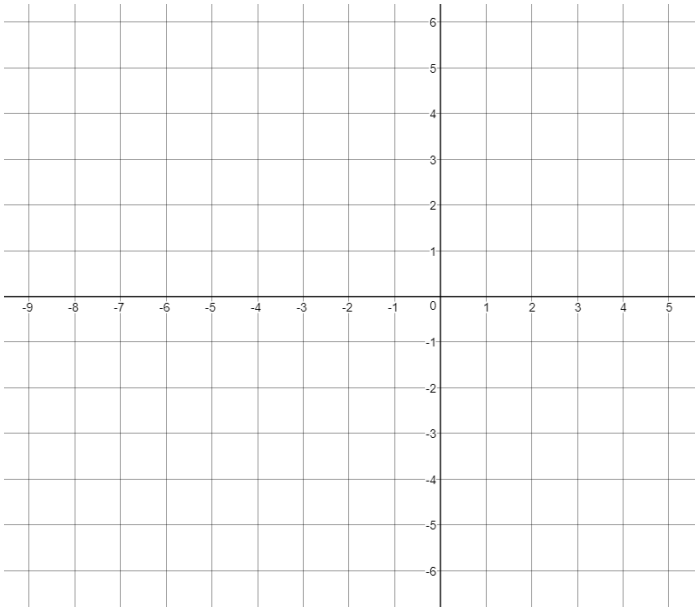
Circle & Fill in the Blank

5. Absolute Minimum: Yes / No, Location: _____
6. Absolute Maximum: Yes / No, Location: _____
7. Function Family: _____

Fill in the Blanks using Inequality Notation

8. Domain: _____
   - Interval(s) of Increase: _____
   - Interval(s) of Decrease: _____
9. Range: _____

4. Create a graph with the following characteristics:



Characteristics

1. Function
2. Discrete
3. Straight Lines
4. Increasing & Decreasing (Both)
5. Absolute Minimum: Location: $(-3, -6)$
6. Domain: $-9 \leq x \leq 4$
   - Interval of Increase: $-3 < x < 4$
   - Interval of Decrease: $-9 < x < -3$
7. Range: $-6 \leq y < \infty$
8. Which function family does this graph belong to? _____