

Name: _____

Period: _____

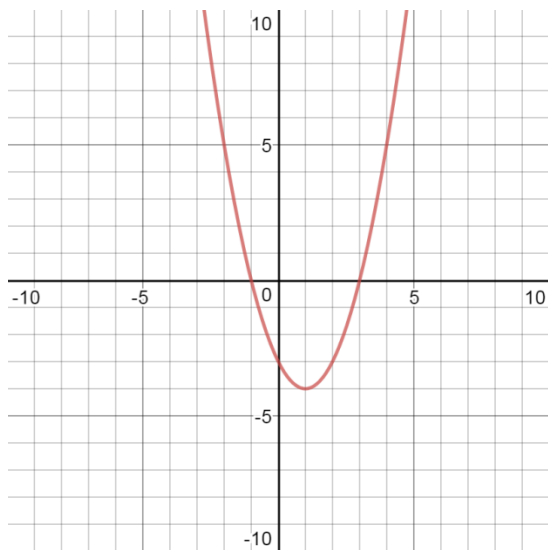
INT Math 3 Algebra Prerequisites Day 4

1. Simplify the following expression: $2(x + 3)^2 - 9$

2. Simplify the following expression: $(x - 7) - 5(x + 3)^2 - 8$

3. Solve the following equation: $2(x - 2) - 9 = (2x - 1)^2$

For questions 4-6 use the graph below:



4. Write an equation for the function.

5. What are the x-intercepts of the graph of the function?

6. When will the equation equal zero?

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7. Describe how you could find the vertex of the function.