Teacher Presentation Materials

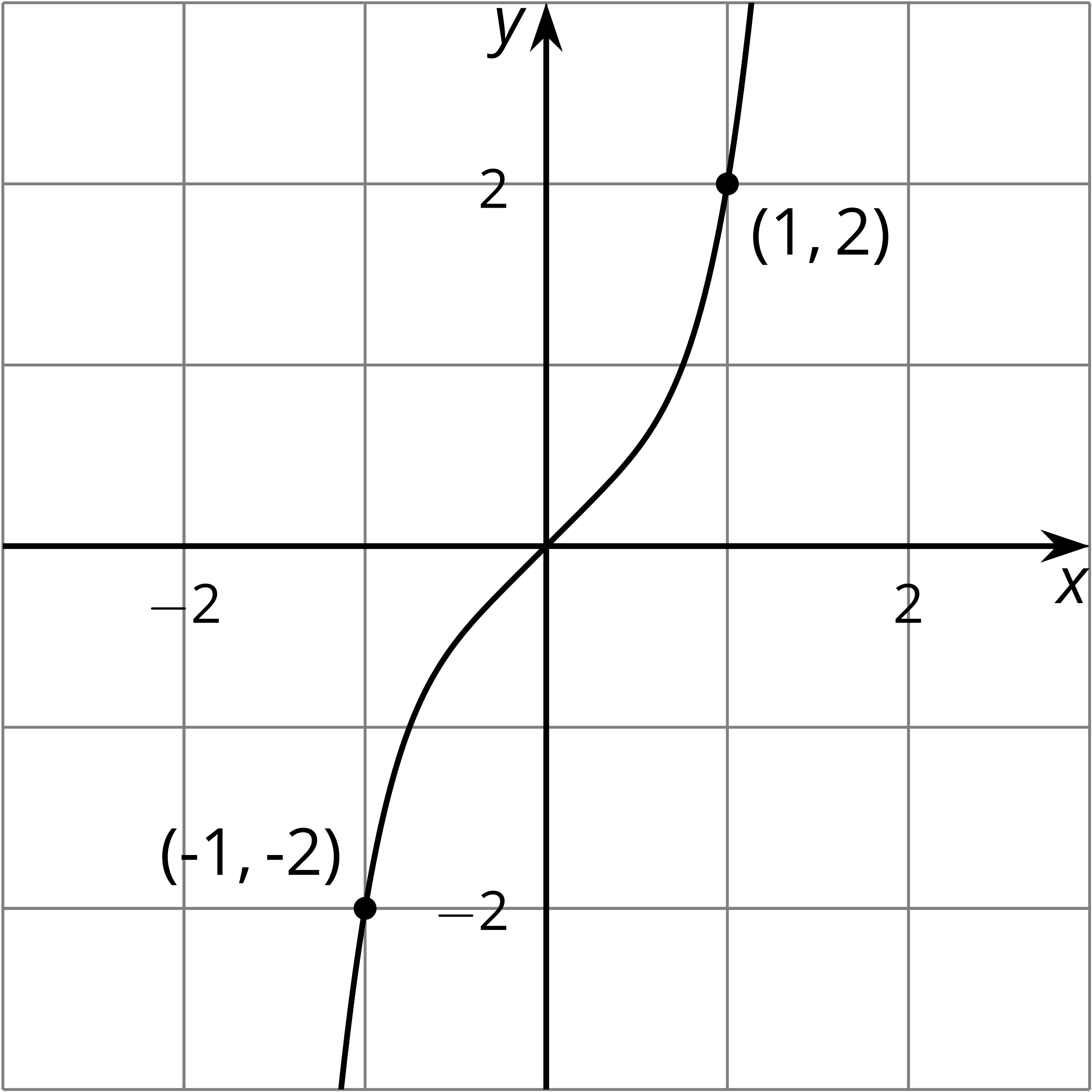
## Unit 5 Lesson 6: Symmetry in Equations

### 1 Notice and Wonder: Same and Different (Warm up)

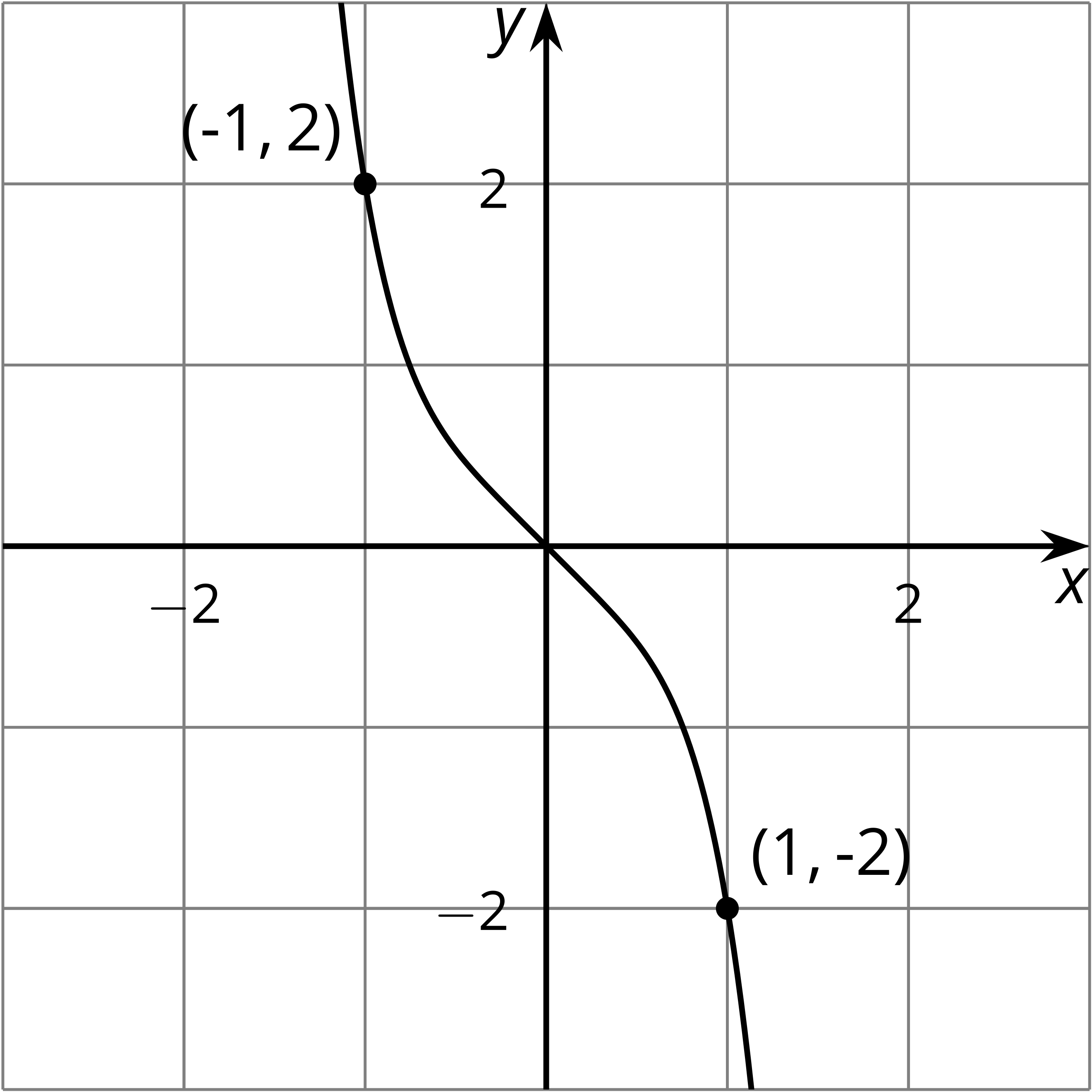
#### Student Task Statement

What do you notice? What do you wonder?

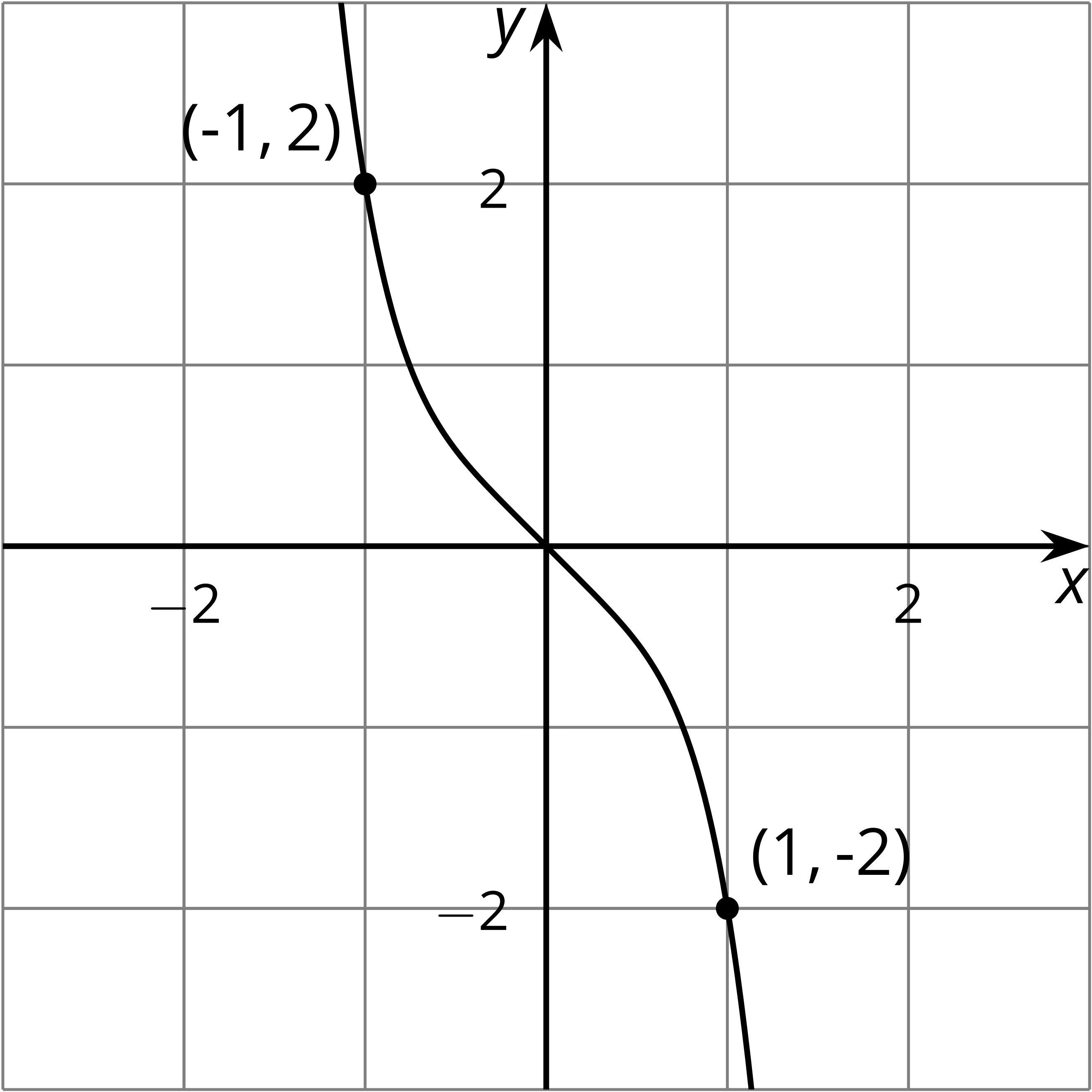
A. Graph of



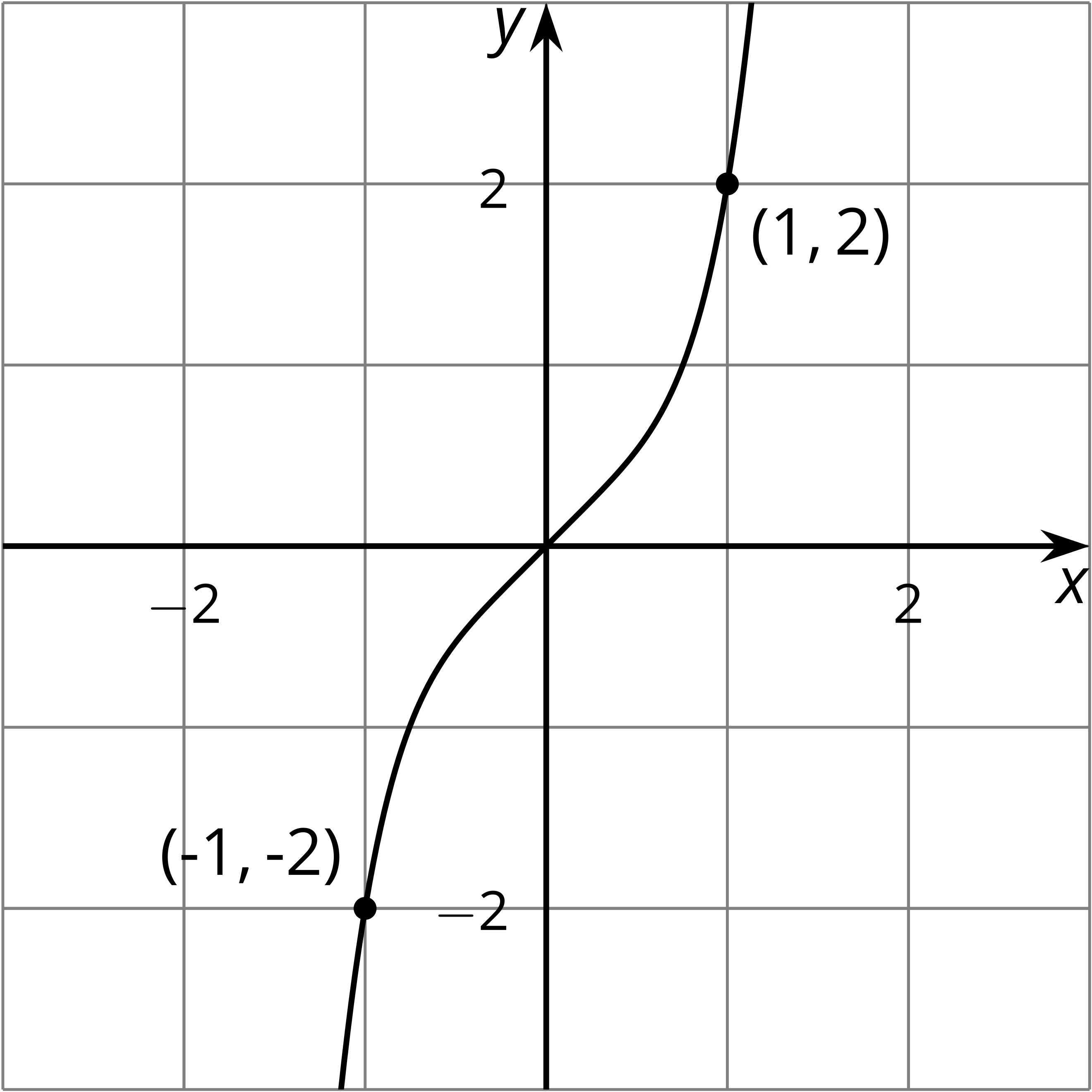
B. Graph of



C. Graph of



D. Graph of

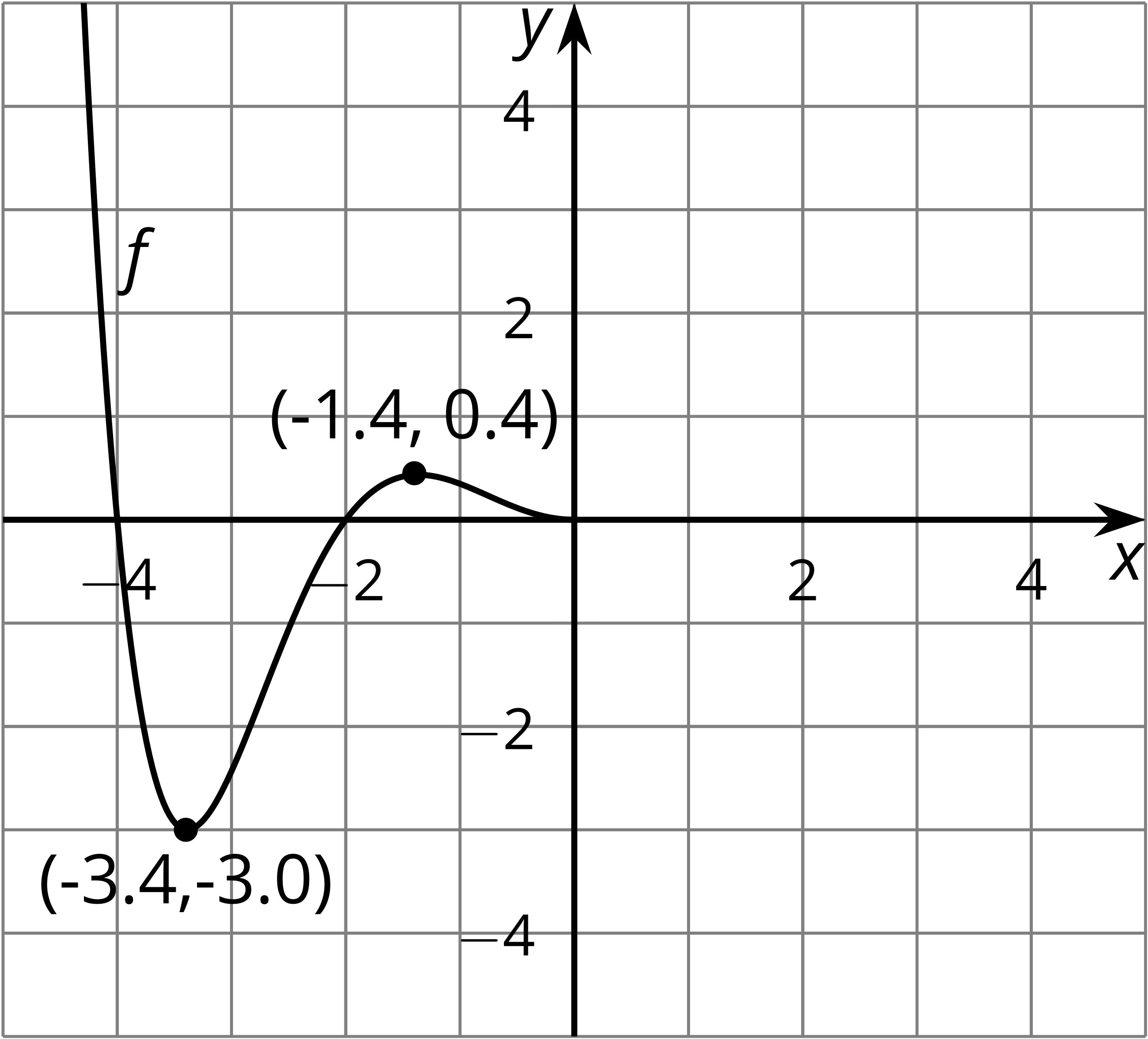


### 2 Finish the Graph

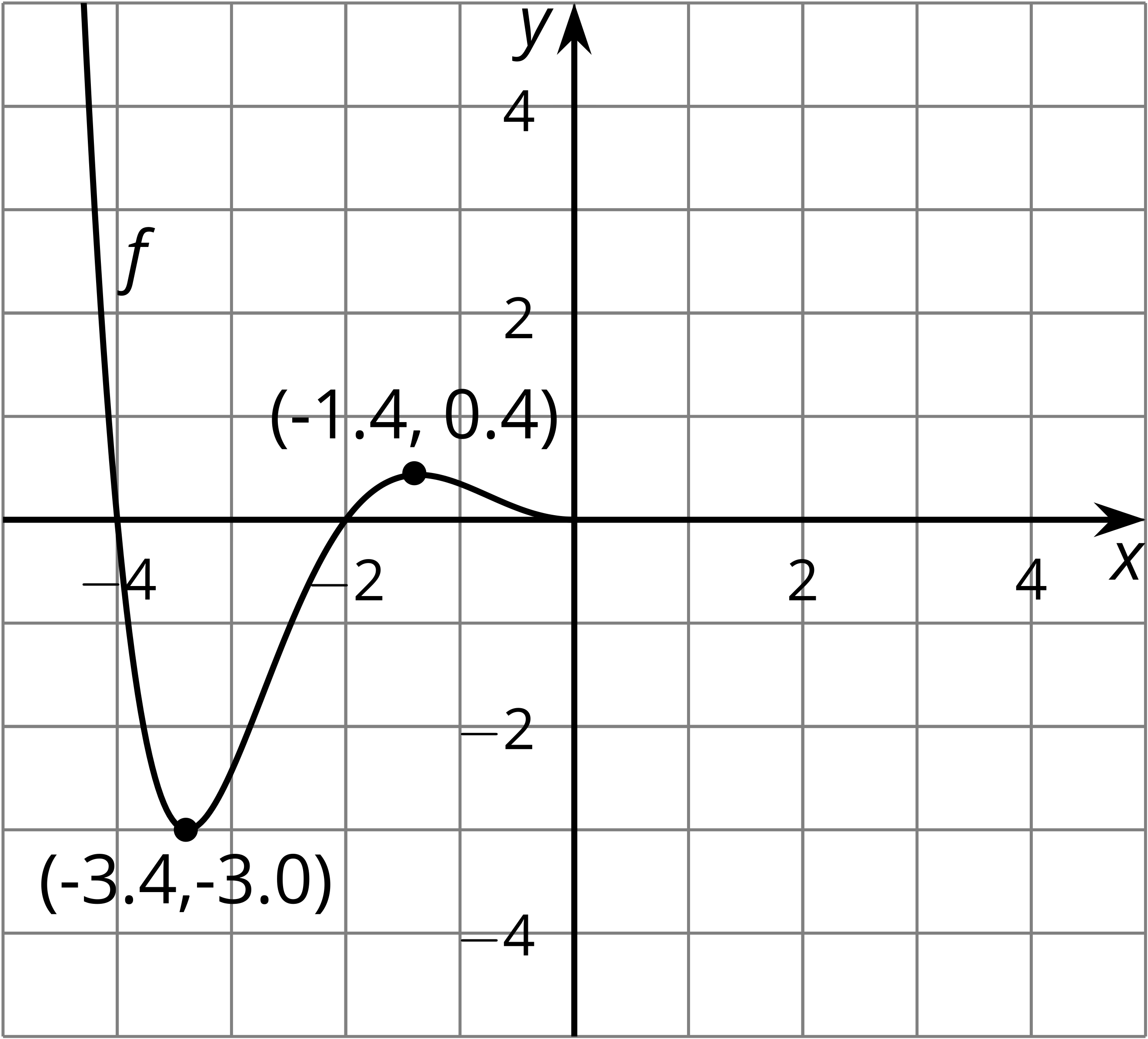
#### Student Task Statement

Here is a graph of for . Draw the graph for and be prepared to explain your reasoning if:

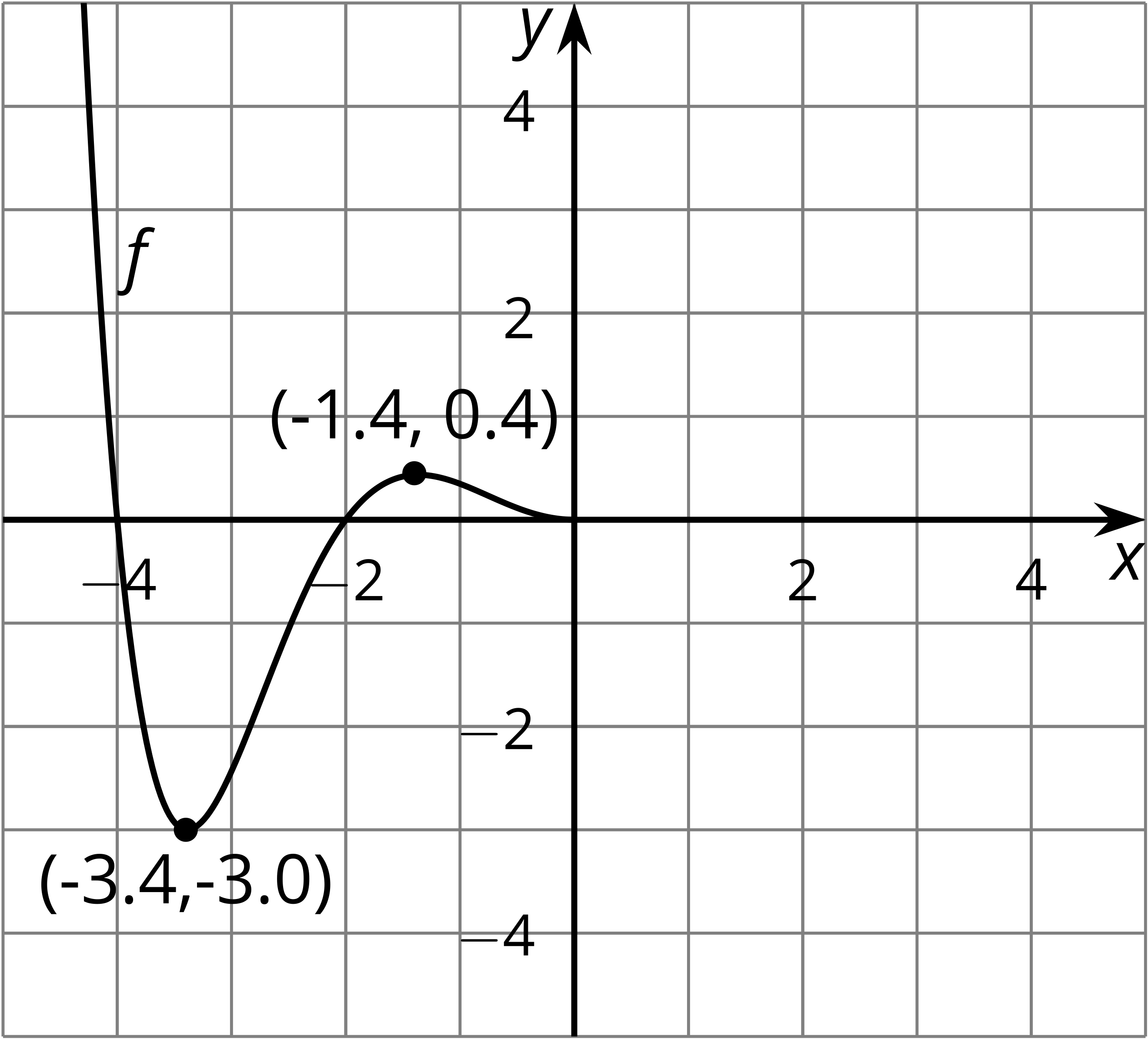
1. is even

* 

1. is odd

* 

1. is neither even nor odd

* 

### 3 Odd and Even Equations

#### Student Task Statement

Take turns with your partner to decide if the function is even, odd, or neither. If it’s your turn, explain to your partner how you decided. If it’s your partner’s turn, listen carefully to their reasons and decide if you agree. If you disagree, discuss your thinking and work to reach an agreement.



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