

9.3 Paper Practice • Writing Exponential Functions

Example 1

Write an exponential function for a graph that passes through the points.

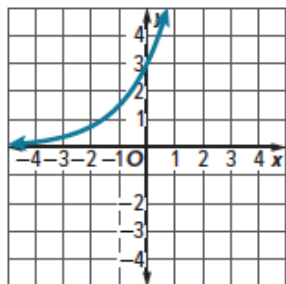
1. (2, 16) and (3, 32) 2. (1, 1) and (3, 0.25) 3. (2, 90) and (4, 810)

4. (−2, 4) and (1, 0.5) 5. (1, 12) and (3, 192) 6. (1, 18) and (3, 72)

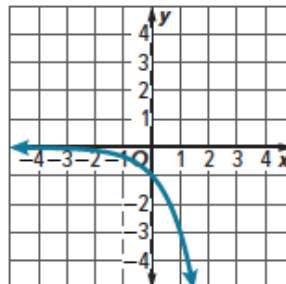
Example 2

Write an exponential function for the graph.

7.



8.



Example 3

10. **BIOLOGY** A certain species of bacteria in a laboratory culture begins with 50 cells and doubles in number every hour. Write a function to model the situation.