

23. Melissa watches a meteor shower and records the number of meteors, m , she has seen t hours after sunset. She collects the data in the following chart.

t	m
0	5
1	15
2	45
3	135
4	405

- A. Find the average rates of change between $t = 0$ and $t = 2$ and between $t = 2$ and $t = 4$.

- B. Explain why these data could not be modeled by a linear function.

- C. State a type of function that might be used to model these data. Justify your answer.
