

### Graphing Stories Practice

Draw a graph to match each description. Then, explain how each part of your graph matches the story using math vocabulary (linear, nonlinear, increasing, decreasing).

- 1) Chris left his house and ran to the store getting faster as he went. He walked around the store. Finally, he caught a ride home in his friend's car. Graph distance from home versus time.
- 2) It was snowing at a constant rate all day. During the night, it gradually stopped snowing. In the morning, the sun came up and started melting the snow at a faster and faster rate. Make a graph of the depth of the snow over time.
- 3) Logan was riding his bike home from school. He started slowly and then increased his speed as he got farther from school. He had to stop at a light to cross a busy road, then continued home at a steady pace. Make a graph of Logan's distance from home over time.
- 4) A car blasting music is approaching from the distance. As it nears you, the music gets louder and louder. After it passes, the music fades until the car is far in the distance. Graph loudness of the music versus time.

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