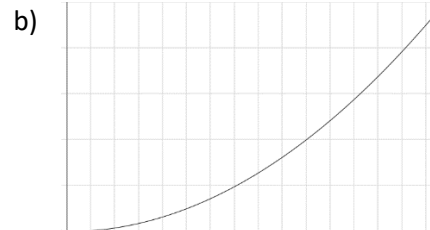
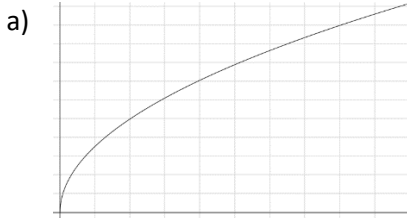


Graphs from verbal descriptions- Pretest

Name:

Target 1: I understand how to identify graphs from verbal descriptions

1. James was driving from Spokane to Moses Lake (distance about 100 miles) in his new electric car! He drove faster on the first half of the trip than the second half of the trip. Which graph more accurately reflects the distance from Spokane as a function of time? Explain why?



Target 2: I understand how to create graphs from verbal descriptions (distance time graphs)

2. Toni drives from home to meet her friend at the gym, which is halfway between their homes. They work out together at the gym, then they both go to the friend's home for a snack. Finally, Toni drives home. Graph the distance between Toni and her home as a function of time, from the moment she leaves home until she returns. Explain why you drew the graph the way you did.

Target 3: I understand how to create graph from physical descriptions using a constant rate of change

3. Image the vase shown below filling with water at a constant rate. Sketch a graph of the height of the bottle as a function of the amount of water that is in the bottle. Start from an empty bottle and end when the bottle is completely full. Explain why you drew the graph the way you did.

