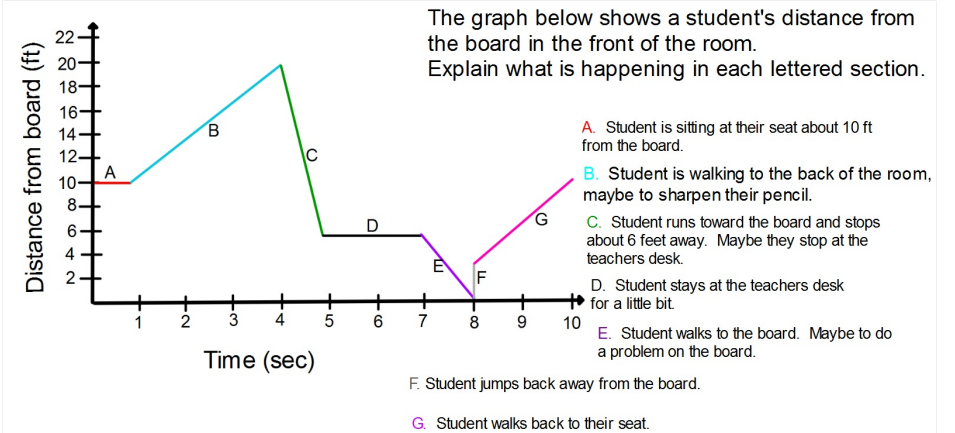
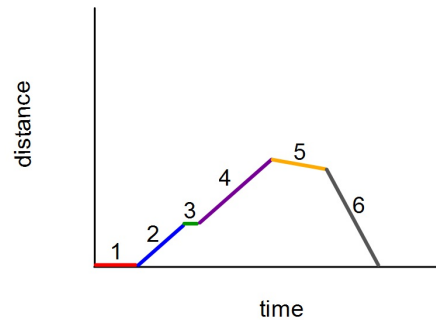


Section 5-1: Relating Graphs to Events

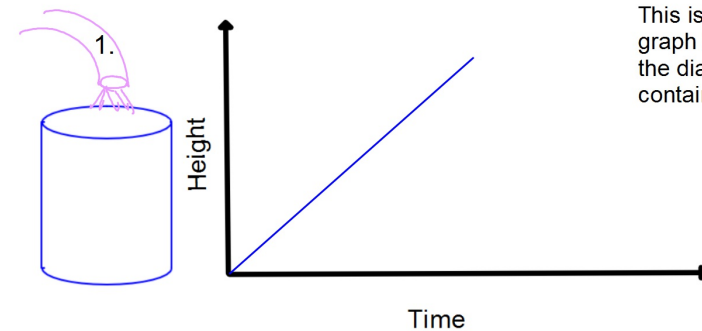


Draw a graph of distance from home as a function of time to model the following situation:

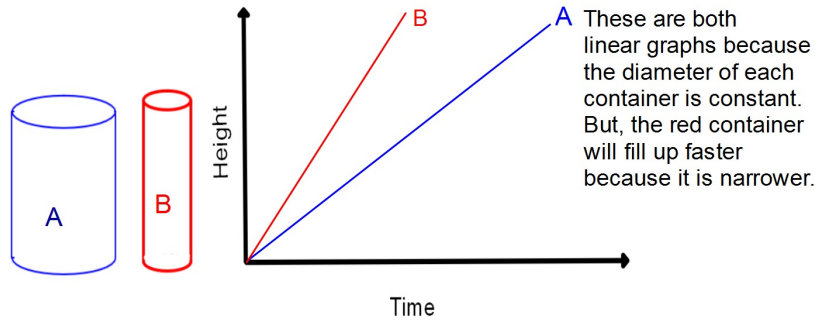
1. I started out by sitting on my front porch and stretching for a little bit.
2. I then started jogging slowly.
3. I stopped to tie my shoe.
4. I then started jogging again at the same rate as before.
5. After a while I got a bad cramp and started crawling back home.
6. The cramp went away so I started jogging back home, a little quicker than I was jogging before, until I reached home.



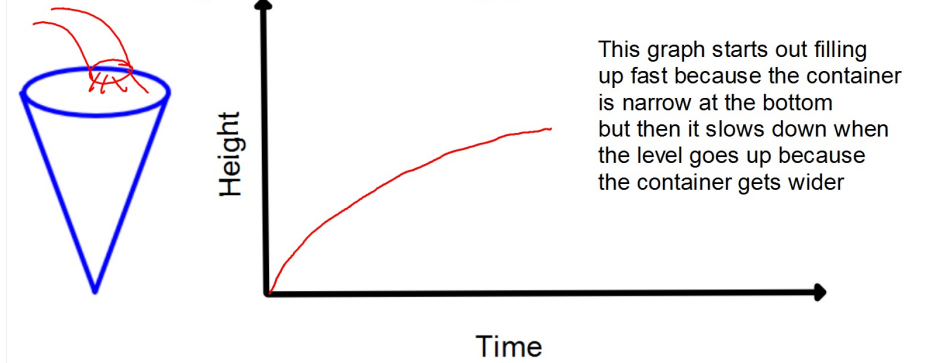
You fill up a container with a steady stream of water from your faucet. Sketch the Height of the water in the container as a function of time for each shape.



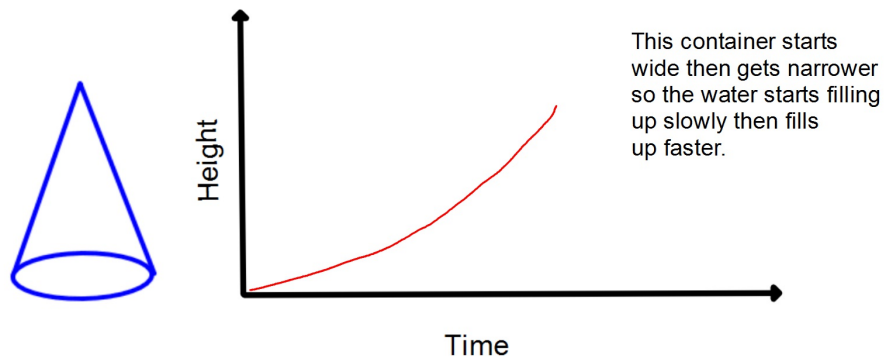
Water is filling up the containers you see on the left. Sketch the graph of the height of the water as it is filling up versus time.



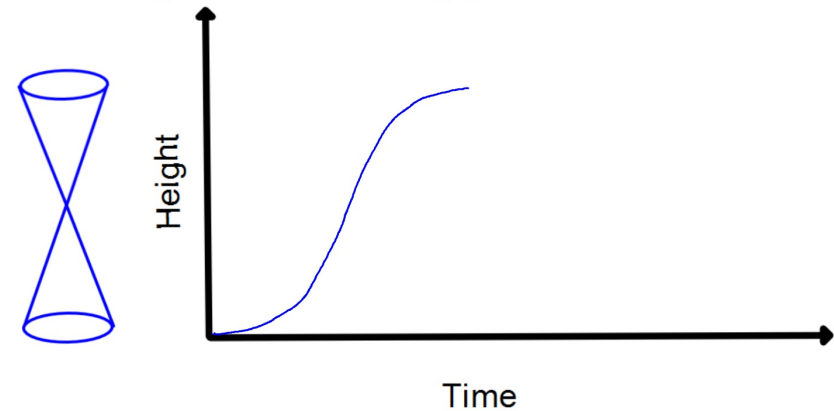
Water is filling up the container you see on the left. Sketch the graph of the height of the water as it is filling up versus time.



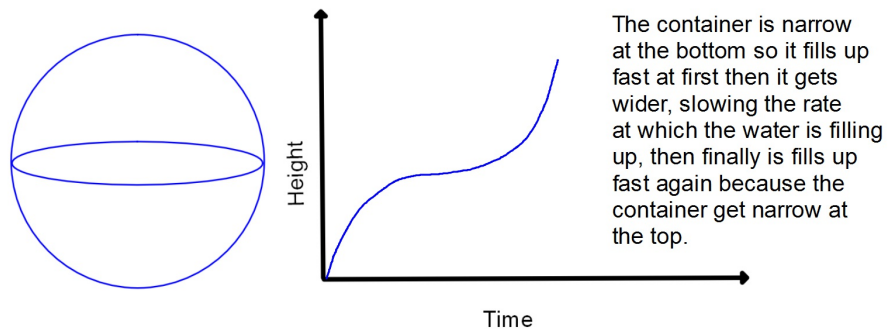
Water is filling up the container you see on the left. Sketch the graph of the height of the water as it is filling up versus time.



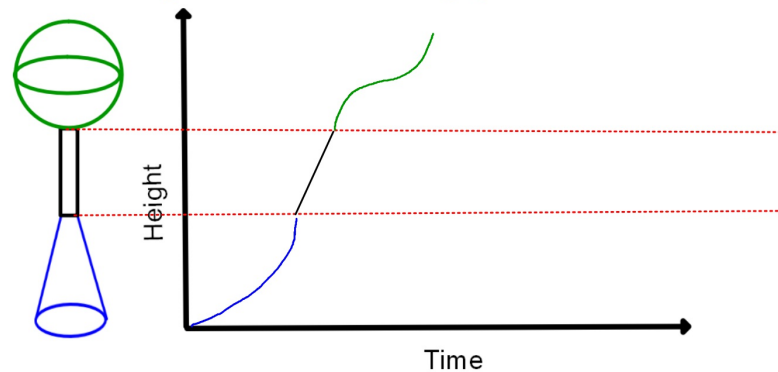
Water is filling up the container you see on the left. Sketch the graph of the height of the water as it is filling up versus time.



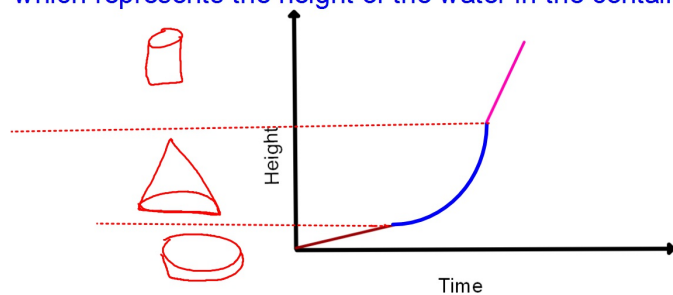
Water is filling up the container you see on the left. Sketch the graph of the height of the water as it is filling up versus time.



Water is filling up the container you see on the left. Sketch the graph of the height of the water as it is filling up versus time.



Sketch the container that might create this graph which represents the height of the water in the container as it is filling.



Hwk #18:

Sec 5-1

Pages 238-239

Problems 2, 4, 6, 7, 9, 12, 14, 16

Due Monday