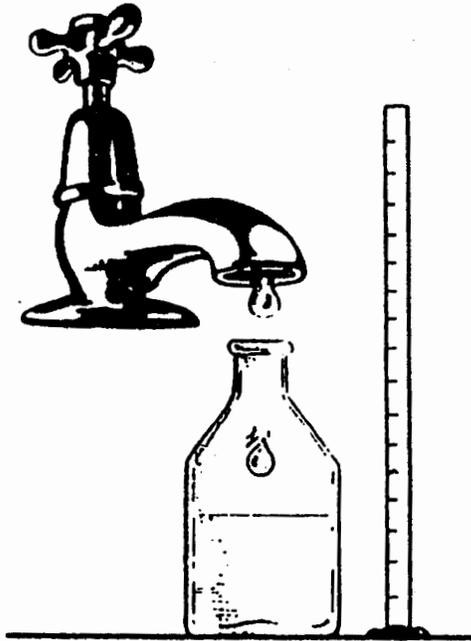
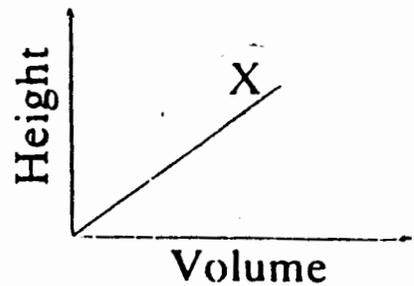
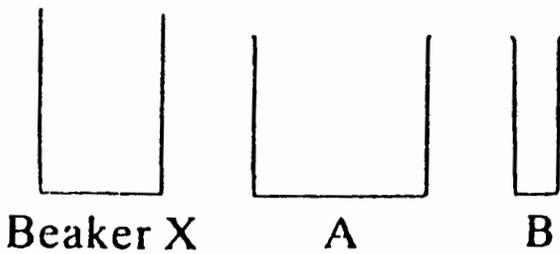


Filling Bottles

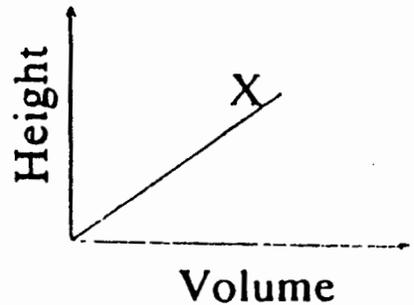
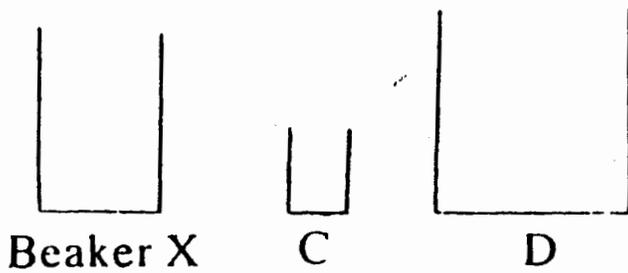


In order to calibrate a bottle so that it may be used to measure liquids, it is necessary to know how the height of the liquid depends upon the volume in the bottle.

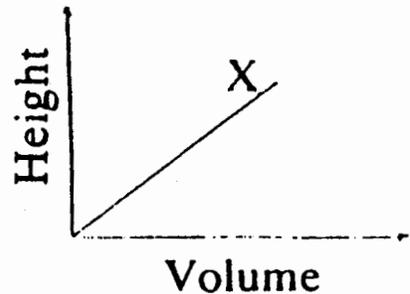
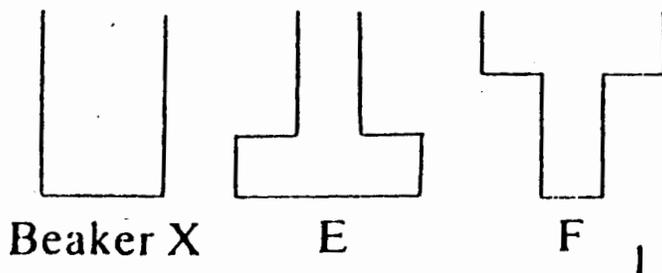
The graph below shows how the height of liquid in beaker X varies as water is steadily dripped into it. Copy the graph, and *on the same diagram*, show the height-volume relationship for beakers A and B.



Sketch two more graphs for C and D...



And two more for E and F...

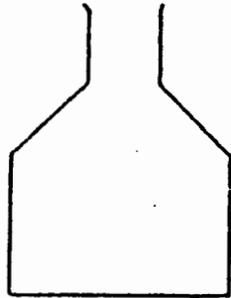


Here are 6 bottles and 9 graphs.

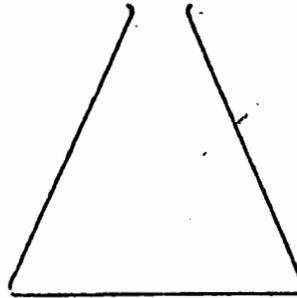
Choose the correct graph for each bottle.

Explain your reasoning clearly.

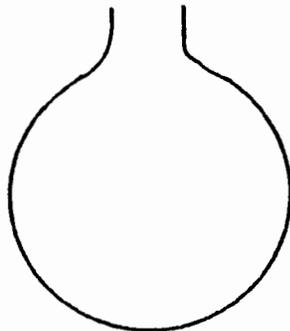
For the remaining 3 graphs, sketch what the bottles should look like.



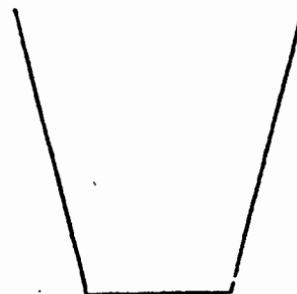
Ink bottle



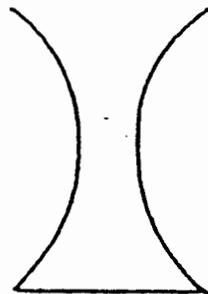
Conical flask



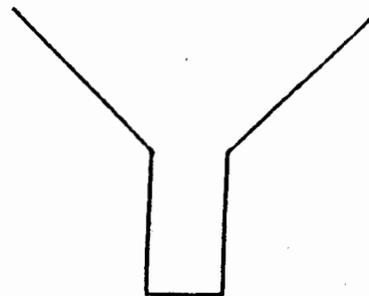
Evaporating flask



Bucket



Vase



Plugged funnel

