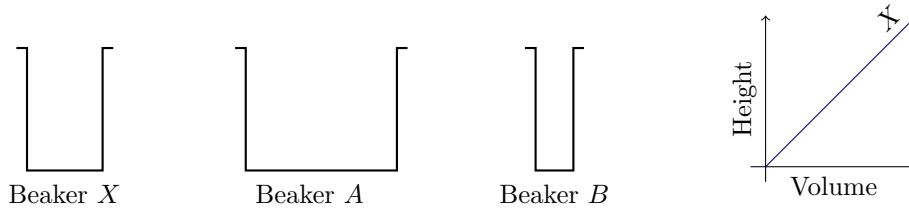


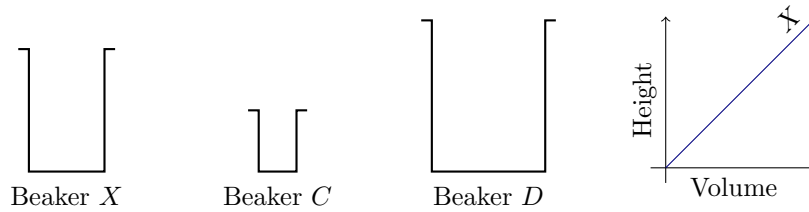
Filling Bottles

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 on the volume in the bottle.

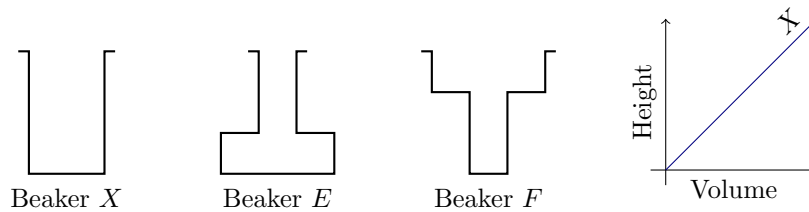
- The graph below shows how the height of the liquid in beaker *X* varies as water is steadily dripped into it. On the same diagram, show the height-volume relationship for beakers *A* and *B*.



- Sketch two more for *C* and *D*:



- Sketch two more for *E* and *F*:



4. Here are six bottles and nine graphs. Choose the correct graph for each bottle. Explain your reasoning clearly. For the remaining three graphs, sketch what the bottles should look like.

