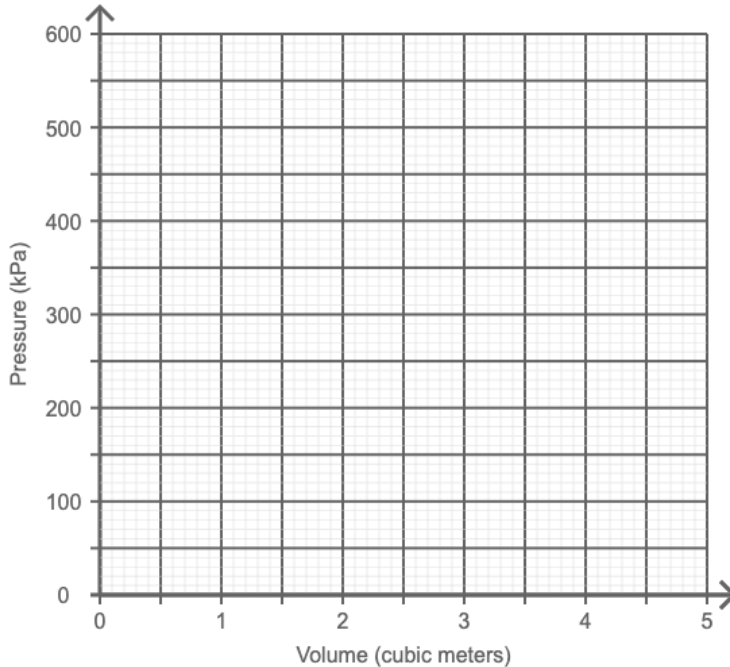


Efficiency Based on PV Diagram

Step 1: Reconstruct the graph that you were given by the program and use the graph and the number of moles of gas to find the temperature at point A. Show your work neatly to the right of the graph



Step 2: Calculate the work for each of the four stages of the cycle and then get net work. Show your work neatly below

Step 3: Heat will have entered for two of the four stages. Calculate the heat entering the gas for these two stages and then the total heat that entered in the cycle. Show your work neatly below.

Step 4: Find the efficiency of the cycle and then enter your answers into the program to see if you did everything correctly.