



10.A.4

The Brayton cycle, shown in the figure, has a pressure ratio of 10, what is the pressure at point 3?

Answer: 1 MPa

Explanation: It can be seen that this is an open brayton cycle, so the pressure at point 1 and point 4 is 1 bar. If the pressure increases by a factor of 10, the pressure ratio, it becomes 10 bar at point 2 and 3. 10 bar is equal to 1 MPa, therefore that is the correct answer