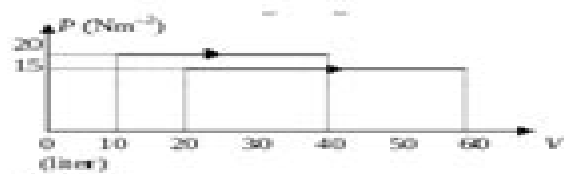


Thermodynamics – problems and solutions

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April 23, 2018

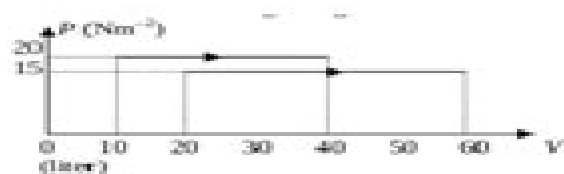


Thermodynamics – problems and solutions

The first law of thermodynamics

1. Based on graph P-V below, what is the ratio of the work done by the gas in the process I, to the work done by the gas in the process II?

Known :



Process 1 :

Pressure (P) = 20 N/m^2

Initial volume (V_1) = 10 liter = $10 \text{ dm}^3 = 10 \times 10^{-3} \text{ m}^3$

Final volume (V_2) = 40 liter = $40 \text{ dm}^3 = 40 \times 10^{-3} \text{ m}^3$

Process 2 :

Process (P) = 15 N/m^2

Initial volume (V_1) = 20 liter = $20 \text{ dm}^3 = 20 \times 10^{-3} \text{ m}^3$

Final volume (V_2) = 60 liter = $60 \text{ dm}^3 = 60 \times 10^{-3} \text{ m}^3$

Wanted : The ratio of the work done by gas

Solution :

Thermodynamics Problems And Solutions

ML Yell



Thermodynamics Problems And Solutions:

Thermodynamics Problems And Solutions Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the ability of words has become more evident than ever. They have the capability to inspire, provoke, and ignite change. Such may be the essence of the book **Thermodynamics Problems And Solutions**, a literary masterpiece that delves deep into the significance of words and their impact on our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book's key themes, examine its writing style, and analyze its overall effect on readers.

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