

Problem Set # (5)

Instructor: Dr. Ahmad AbuYaghi

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- These are suggested problems for you to work out.
- The problem numbers refer to those given at the end of Chapters in the Textbook:
(Cengel & Boles, Thermodynamics: An Engineering Approach, 8th edition)
- The final answer(s) is/are provided.

Problem #	Final Answers
12-16	Derive
12-29	$P = 0.038 \text{ kPa}$, Error = 0.08%
12-38	$\Delta h = 1875 \text{ kJ/kg}$ (Real gas) & 1869 kJ/kg (Ideal gas)
12-62	Derive
12-72	$W = 132 \text{ kW}$