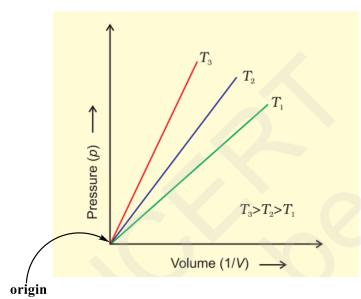
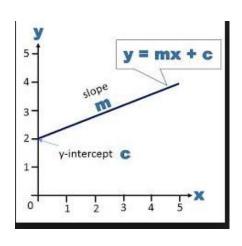
Slide-16

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Graph of pressure of a gas, p vs. 1/V





straight line equation

p α 1/V PV=K

Plot represents the graph between p and 1/V is a straight line passing through origin. However at high pressures, gases deviate from Boyle's law and under such conditions a straight line is not obtained in the graph

intercept (where the graph crosses the y-axis)