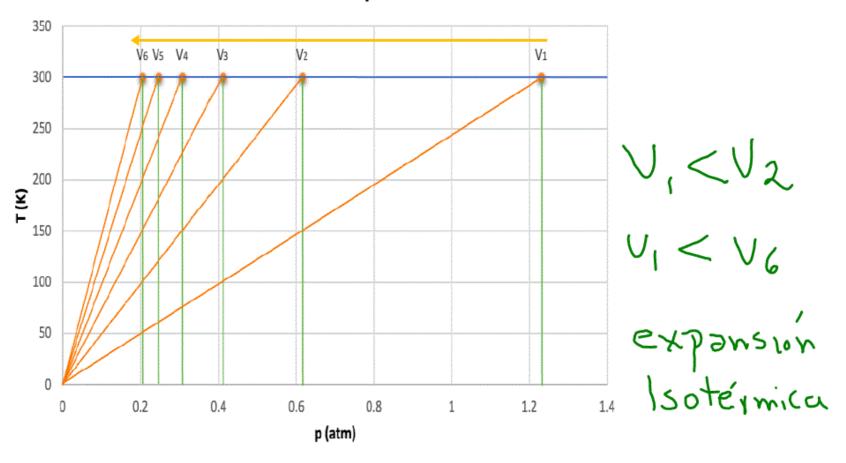
Tabla 1. Recopilación de los cálculos realizados para la parte 1. Variables para las gráficas 1 y 2.

p (atm)	n (mol)	T (K)	V (L)
1.23	1	300	20
0.615	1	300	40
0.41	1	300	60
0.3075	1	300	80
0.246	1	300	100
0.205	1	300	120

$$\frac{20}{40} = \frac{1}{2}$$

Gráfica 1: T vs p





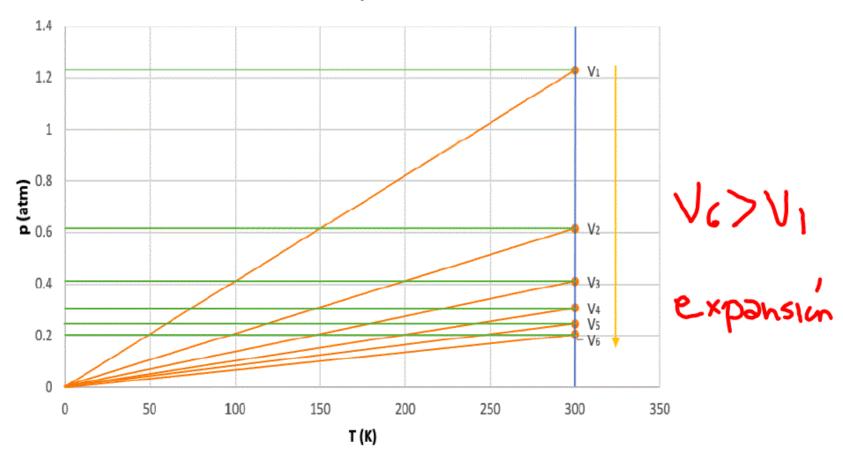
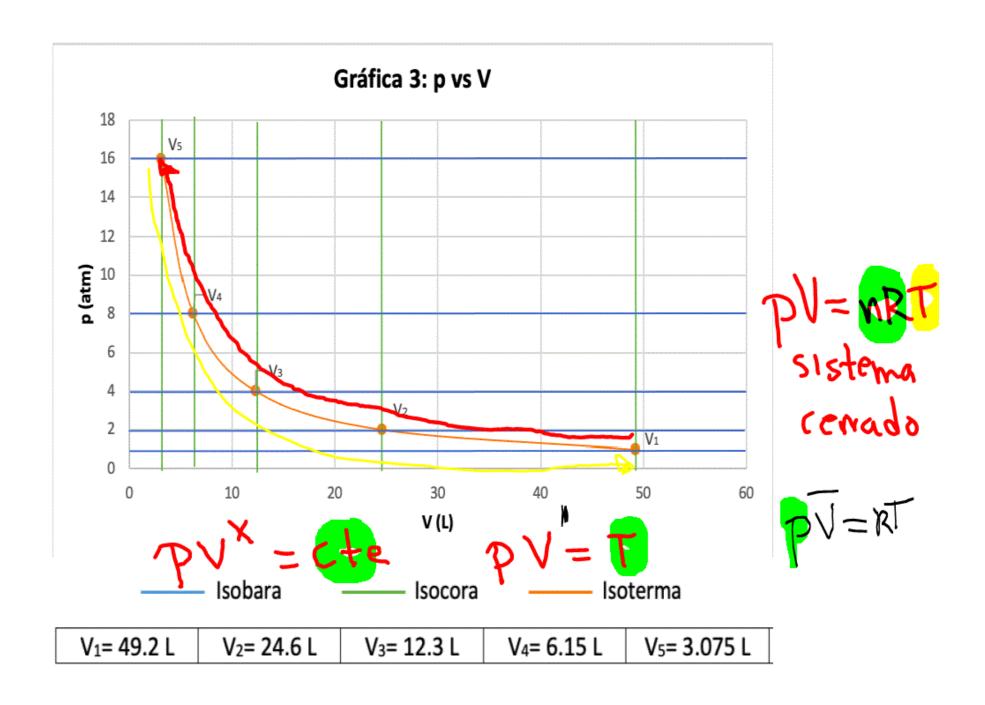
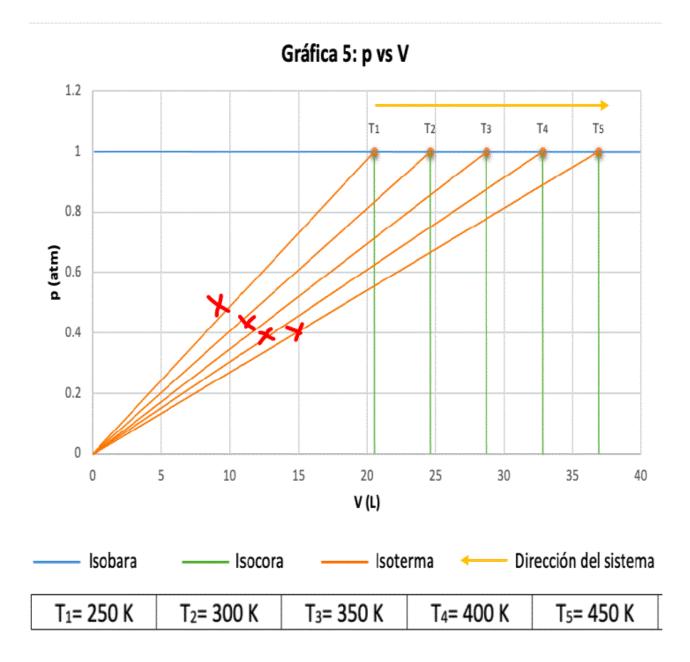


Tabla 2. Recopilación de los cálculos realizados para la parte 2. Variables para las gráficas 3 y 4.

p (atm)	n (mol)	T (K)	V (L)
1	1	600	49.2
2	1	600	<mark>24.6</mark>
4	1	600	12.3
8	1	600	6.15
16	1	600	3.075





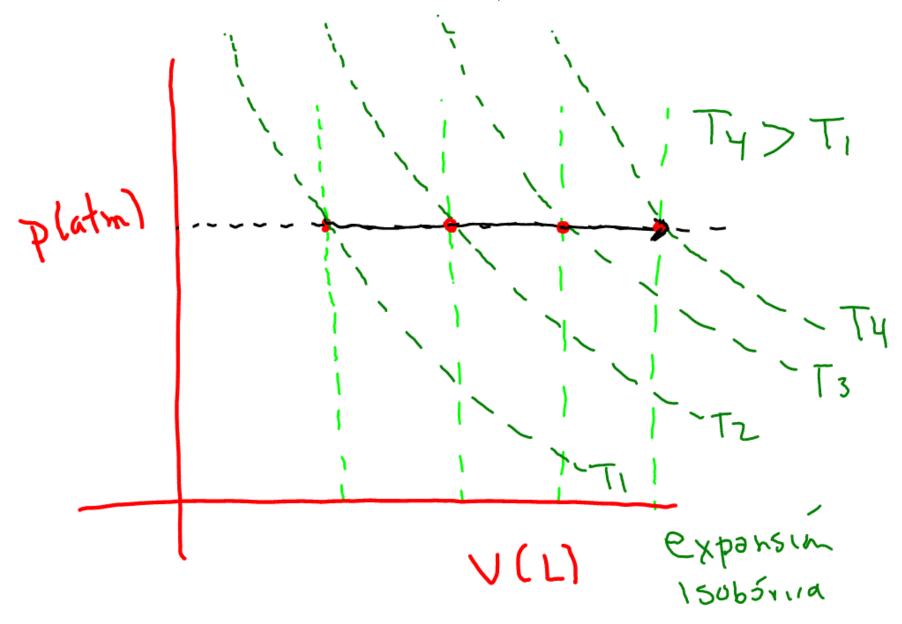
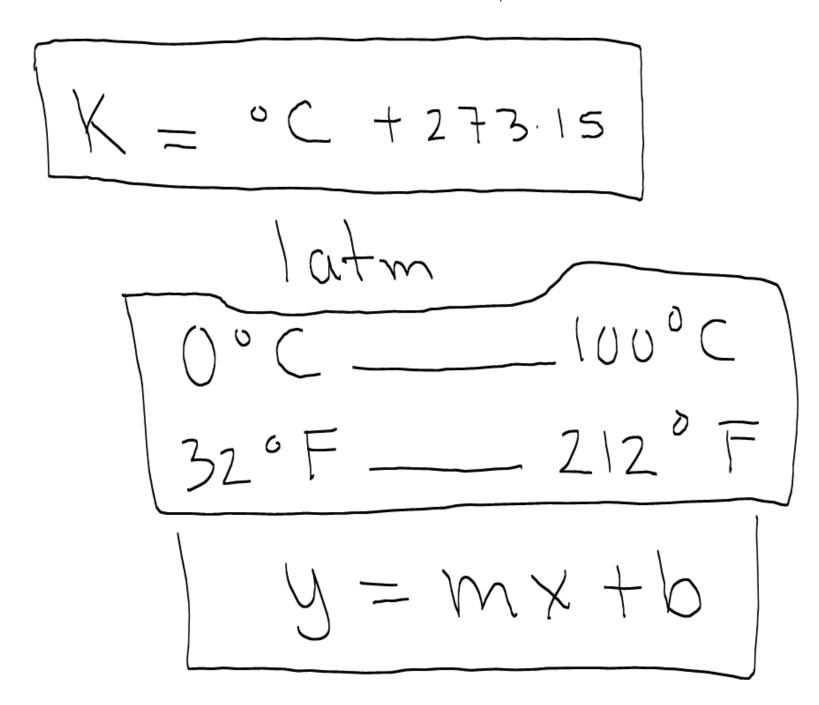


Tabla 3: Recopilación de los cálculos realizados para la parte 3. Variables para las gráficas 5 y 6.

p (atm)	n (mol)	T (K)	V (L)
1	1	250	20.5
1	1	300	24.6
1	1	350	28.7
1	1	400	32.8
1	1	450	36.9

$$\frac{300}{250} = 12$$
 $\frac{24.6}{20.5} = 1.2$



$$y = 0F$$
 $X = 0C$
 $m = \frac{y^2 - y_1}{x^2 - x_1}$

$$oF = M^{\circ}C + b$$
 $oF = \left(\frac{212^{\circ}F - 32^{\circ}F}{100^{\circ}C - 0^{\circ}C}\right)^{\circ}C + b$
 $oF = \left(\frac{180^{\circ}F}{100^{\circ}C}\right)^{\circ}C + b$

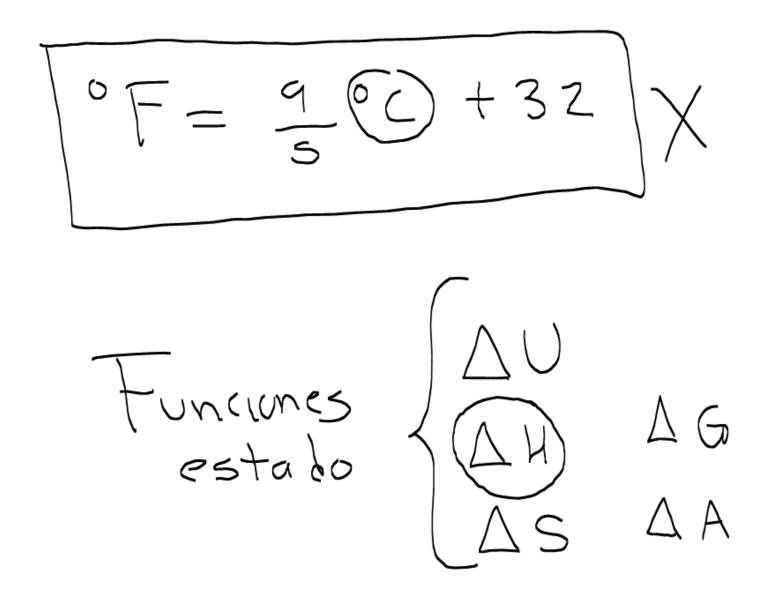
$${}^{\circ}F = \left(\frac{9}{5} \cdot c\right)^{\circ} c + b$$

$$32^{\circ}F = \left(\frac{9}{5} \cdot c\right)^{\circ} (1)^{\circ} c + b$$

$$b = 32^{\circ}F$$

$${}^{\circ}F = \left(\frac{9}{5} \cdot c\right)^{\circ} (2)^{\circ} c + b$$

$${}^{\circ}F = \left(\frac{9}{5} \cdot c\right)^{\circ} (2)^{\circ} c + b$$



$$Cp - (v = R) Cp = Cv + R$$

$$\Delta V = n Cv \Delta T$$

$$PV = nRT$$

$$\Delta PV = nR \Delta T \quad \text{sistema (ewado}$$

$$\Delta PV = \Delta V + \Delta PV$$

$$\Delta H = \Delta U + NR \Delta T$$

$$\Delta H = NCV\Delta T + NR\Delta T$$

$$\Delta H = N\Delta T(CV+R)$$

$$\Delta H = NCP\Delta T$$

1 soté vínico

$$V = 0$$

$$\Delta T = 0$$

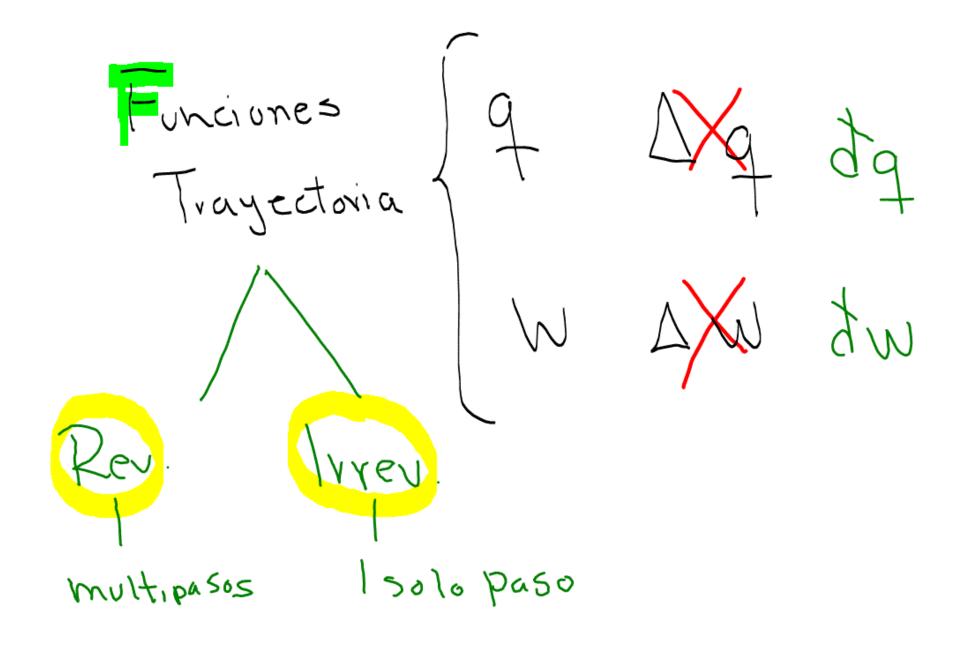
2 da Ley Termodinámica ENTIOPÍO probabilidad de choque molecular grado de desorden Entropia (S)

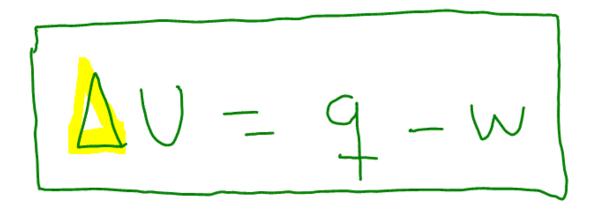
$$\Delta S_U = \Delta S_{SIST} + \Delta S_{AIV}$$

$$\Delta S_U > 0$$
Entropia Absoluta
$$\Delta S = S_Z - S_I$$

$$S_I = ReF OK S_I = 0$$
(vistal perfect o

ewis-Randall) 3 va Ley Termodinamica





Isotérmico

 $\Delta U = 0$

9 = W

i deal o perfecto