Solución 1

$P_1 / T_1 = P_2 / T_2$

$790\ mmHg / 298.15\ K = P_1 / 473.15\ K$

$(790\ mmHg / 298.15\ K) \times 473.15 = P_1$

$1253.69\ mmHg = P_1$

Solución 2

$T_1 = 20^{\circ}C = 293\ K$

$P_1 = 3\ atm$

$P_2 = 9\ atm$

$3\ atm \times T_2 = 9\ atm \times 293\ K$

$T_2 = (9\ atm \times 293\ K) / (3\ atm)$

$T_2 = 879\ K$

Solución 3

$P_1 = 790\ mmHg = 1.04\ atm$

$T_1 = 25^\circ C = 298\ K$

$P_2 = ?$

$T_2 = 200^\circ C = 473\ K$

$1.04\ atm \times 473\ K = P_2 \times 298\ K$

$P_2 = (1.04\ atm \times 473\ K) / 298\ K$

$P_2 = 1.65\ atm$