

Algebra I Review: Solving for Unknown Variable

Directions: Solve the following for the indicated variable.

1. Solve for n. $PV = nRT$	
2. Solve for m. $q = mc\Delta T$	
3. Solve for v. $D = \frac{m}{V}$	
4. Solve for T_1 . $\frac{P_1V_1}{T_1} = \frac{P_2V_2}{T_2}$	
5. Solve for L. $M = \frac{n}{L}$	
6. Solve for V_2 . $\frac{P_1V_1}{T_1} = \frac{P_2V_2}{T_2}$	
7. Solve for T_f , $q = mc(T_f - T_i)$	
8. Solve for m, $D = \frac{m}{V}$	