Algebra 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. $D = \dfrac{m}{V}$	
4. Solve for T_1. $\dfrac{P_1V_1}{T_1} = \dfrac{P_2V_2}{T_2}$	
5. Solve for L. $M = \dfrac{n}{L}$	
6. Solve for V_2. $\dfrac{P_1V_1}{T_1} = \dfrac{P_2V_2}{T_2}$	
7. Solve for T_f. $q = mc\,(T_f - T_i)$	
8. Solve for m. $D = \dfrac{m}{V}$	