In Problems 1-10, solve each formula for the specified variable

1. $d = \dfrac{m}{v}$ for v	2. $C = \dfrac{5}{9}(F - 32)$ for F
3. $P_1 V_1 = P_2 V_2$ for P_2	4. $\dfrac{V_1}{T_1} = \dfrac{V_2}{T_2}$ for T_2
5. $PV = nRT$ for R	6. $F = k\dfrac{q_1 q_2}{r^2}$ for q_1
7. $A = \dfrac{1}{2}h(a + b)$ for a	8. $C = \dfrac{A + B}{D - E}$ for D
9. $AD - AG = H$ for A	10. $\dfrac{1}{A} + \dfrac{1}{B} = \dfrac{1}{C}$ for B