

From the given data we can see that the system is overdetermined (5 equations, 2 unknowns).
 To solve this system, we can use the method of least squares. The system can be written as $AX = Y$, where A is the coefficient matrix, X is the vector of unknowns, and Y is the vector of constants.

$$\frac{108}{x} \cdot \frac{x-5}{x}$$

$$\frac{108}{x+5} + \frac{x}{108} = 9$$

$$108(x-5) + 108(x+5) - 9(x^2-25) = 0$$

$$216x - 9x^2 + 225 = 0 \quad | : (-9)$$

$$x^2 - 24x - 25 = 0$$

$$x_1 + x_2 = 24$$

$$x_1 \cdot x_2 = -25$$

$$x_1 = 25, x_2 = -1$$

The solution is $x_1 = 25$ and $x_2 = -1$.
 The system is overdetermined (5 equations, 2 unknowns).