



g_1, g_3 : Punkt - Steigungsform

$$g_1 : \frac{y - y_1}{x - x_1} = m_1 \Rightarrow g_1 = \overset{=P_5}{m_1} (x - \overset{=P_1}{x_1}) + \overset{=P_2}{y_1}$$

$$g_3 : \frac{y - y_2}{x - x_2} = m_3 \Rightarrow g_3 = \overset{=P_6}{m_3} (x - \overset{=P_3}{x_2}) + \overset{=P_4}{y_2}$$

g_2 : 2 - Punkte - Form

$$\frac{y - y_1}{x - x_1} = \frac{\overset{=P_4}{y_2} - \overset{=P_2}{y_1}}{\underset{=P_3}{x_2} - \overset{=P_1}{x_1}} \Rightarrow g_2 = m_2 (x - \overset{=P_1}{x_1}) + \overset{=P_2}{y_1}$$