

$$\Rightarrow \begin{cases} x = \frac{1}{\sqrt{5}} (-2x'' + y'') + \frac{3\sqrt{5}}{6\sqrt{5}} \\ y = \frac{1}{\sqrt{5}} (x'' + 2y'') + \frac{10}{6\sqrt{5}} \end{cases}$$

$$x = \frac{1}{\sqrt{5}} (-2x'' + y'') + \frac{3\sqrt{5}}{6 \cdot \sqrt{5} \cdot \sqrt{5}} = \frac{1}{\sqrt{5}} (-2x'' + y'') + \frac{7}{6}$$

$$y = \frac{1}{\sqrt{5}} (x'' + 2y'') + \frac{10}{6 \cdot \sqrt{5} \cdot \sqrt{5}} = \frac{1}{\sqrt{5}} (x'' + 2y'') + \frac{1}{3}$$

$$\begin{cases} x = \frac{1}{\sqrt{5}} (-2x'' + y'') + \frac{7}{6} \\ y = \frac{1}{\sqrt{5}} (x'' + 2y'') + \frac{1}{3} \end{cases}$$

$$O' = \left(\frac{7}{6}, \frac{1}{3} \right)$$

Problem: $O' \left(\frac{7}{6}, \frac{1}{3} \right)$

$$\begin{cases} x = \frac{1}{\sqrt{5}} (-2x'' + y'') + \frac{7}{6} \\ y = \frac{1}{\sqrt{5}} (x'' + 2y'') + \frac{1}{3} \end{cases}$$