- Node E.

$$\Rightarrow 2\begin{bmatrix} x_D - x_A & y_D - y_A \\ x_D - x_C & y_D - y_C \end{bmatrix}\begin{bmatrix} x_E \\ y_E \end{bmatrix} = \begin{bmatrix} 21.5 \\ -82.5 \end{bmatrix}$$

$$\Rightarrow \quad x_E = 2.36$$
$$y_E = 5.67$$

$$\therefore E(2.36, 5.67)$$

- Node G

Similar to A, E, J we find G by

$$2\begin{bmatrix} x_J - x_A & y_J - y_A \\ x_J - x_E & y_J - y_A \end{bmatrix}\begin{bmatrix} x_G \\ y_G \end{bmatrix} = \begin{bmatrix} (r_{AG}^2 - r_{JG}^2) - (x_A^2 - x_J^2) - (y_A^2 - y_J^2) \\ (r_{EG}^2 - r_{JG}^2) - (x_E^2 - x_J^2) - (y_E^2 - y_J^2) \end{bmatrix}$$

$$2\begin{bmatrix} 6 & 8 \\ 7.64 & 0.33 \end{bmatrix}\begin{bmatrix} x_G \\ y_G \end{bmatrix} = \begin{bmatrix} 75.75 \\ 58.012 \end{bmatrix}$$

$$(x_G, y_G) = G(3.71, 1.95)$$