



SPLD19

Sistem Peramaan Linear Dua Variabel

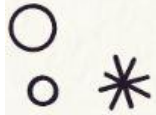


Tentukan himpunan penyelesaian dari sistem persamaan
 $2x - 5y = 1$ dan $4x - 3y = 9$!

Penyelesaian :

Langkah 1 : Eliminasi variabel x

$$\begin{array}{rcl} 2x - 5y = 1 & \left| \times \dots \right| & \dots x - \dots y = \dots \\ 4x - 3y = 9 & \left| \times \dots \right| & \dots x - \dots y = \dots \quad - \\ \hline & & \dots y = \dots \\ & & y = \dots \end{array}$$





Langkah 2 : Substitusi nilai y ke salah satu persamaan

Substitusi ke persamaan $2x - 5y = 1$

$$\Leftrightarrow 2x - 5(\dots) = 1$$

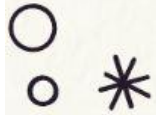
$$\Leftrightarrow 2x - \dots = 1$$

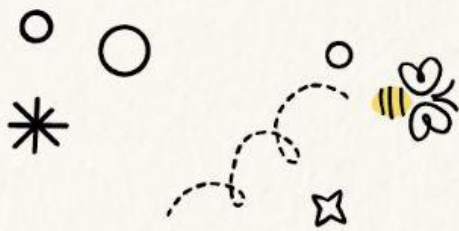
$$\Leftrightarrow 2x = \dots + \dots$$

$$\Leftrightarrow 2x = \dots$$

$$\Leftrightarrow x = \frac{\dots}{2}$$

$$\Leftrightarrow x = \dots$$





Maka, Himpunan Penyelesaiannya adalah
{.....,.....}

