

LEMBAR KERJA

Nama Kelompok

Anggota

Tentukan penyelesaian SPLDV berikut dengan cara eliminasi!

$$\begin{aligned} 1. \quad x + y &= 10 \\ x - y &= 2 \end{aligned}$$

$$\begin{aligned} 2. \quad 3x + y &= 10 \\ 2x - 3y &= 3 \end{aligned}$$

Jawab:

1. Eliminasi y

$$\begin{array}{r} x + y = 10 \\ x - y = 2 \\ \hline \end{array} +$$

$$=$$

$$x = \underline{\hspace{2cm}}$$

$$x =$$

Eliminasi x

$$\begin{array}{r} x + y = 10 \\ x - y = 2 \\ \hline \end{array} -$$

$$=$$

$$y = \underline{\hspace{2cm}}$$

$$y =$$

Jadi, penyelesaiannya $x =$ dan $y =$

2. Eliminasi y

$$\begin{array}{r} 3x + y = 10 \\ 2x - 3y = 3 \end{array} \begin{array}{l} \times \\ \times \end{array} \begin{array}{l} x + y = \\ x - y = \end{array} \begin{array}{l} \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} \end{array} +$$

$$=$$

$$x = \underline{\hspace{2cm}}$$

$$x =$$

Eliminasi x

$$\begin{array}{r} 3x + y = 10 \\ 2x - 3y = 3 \end{array} \begin{array}{l} \times \\ \times \end{array} \begin{array}{l} x + y = \\ x - y = \end{array} \begin{array}{l} \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} \end{array} -$$

$$=$$

$$y = \underline{\hspace{2cm}}$$

$$y =$$

Jadi, penyelesaiannya $x =$ dan $y =$