

Selesaikan persamaan serentak yang berikut (kaedah penghapusan):

1. $3k - 4n = -16$

$k + 2n = 8$

Penyelesaian:

$$\begin{array}{r}
 3k - 4n = -16 \quad \longrightarrow \quad 3k - 4n = -16 \\
 (k + 2n = 8) \times 3 \quad \longrightarrow \quad \boxed{} \\
 \hline
 \boxed{} \quad \ominus \quad \boxed{} = \boxed{} \quad \ominus \quad \boxed{} \\
 \boxed{} = \boxed{} \\
 n = \boxed{}
 \end{array}$$

gantikan $n = \boxed{}$

$$k + 2\boxed{} = 8$$

$$k = \boxed{}$$

2.

$m - 3n = 5$

$3m - n = -1$

Penyelesaian :

$$\begin{array}{r}
 (m - 3n = 5) \times 3 \quad \longrightarrow \quad \boxed{} \\
 3m - n = -1 \quad \longrightarrow \quad 3m - n = -1 \\
 \hline
 \boxed{} \quad \ominus \quad \boxed{} = \boxed{} \quad \ominus \quad \boxed{} \\
 \boxed{} = \boxed{} \\
 n = \boxed{}
 \end{array}$$

gantikan $n = \boxed{}$

$$m - 3\boxed{} = 5$$

$$m = \boxed{}$$

$$3. \quad 4p + q = 2$$

$$2p - 3q = 8$$

Penyelesaian:

$$\begin{array}{r}
 4p + q = 2 \quad \xrightarrow{\quad} \quad 4q + q = 2 \\
 (2p - 3q = 8) \times 2 \quad \xrightarrow{\quad} \quad \boxed{} \\
 \hline
 \boxed{} \ominus \boxed{} = \boxed{} \ominus \boxed{} \\
 \boxed{} = \boxed{} \\
 q = \boxed{}
 \end{array}$$

gantikan $q = \boxed{}$

$$4p + \boxed{} = 5$$

$$4p = \boxed{}$$

$$p = \boxed{}$$

$$4. \quad x - y = 11$$

$$2x + 3y = 2$$

Penyelesaian:

$$\begin{array}{r}
 (x - y = 11) \times 2 \quad \xrightarrow{\quad} \quad \boxed{} \\
 2x + 3y = 2 \quad \xrightarrow{\quad} \quad 2x + 3y = 2 \\
 \hline
 \boxed{} \ominus \boxed{} = \boxed{} \ominus \boxed{} \\
 \boxed{} = \boxed{} \\
 y = \boxed{}
 \end{array}$$

gantikan $y = \boxed{}$

$$x - \boxed{} = 11$$

$$x = \boxed{}$$