

Selesaikan persamaan serentak yang berikut (kaedah penghapusan):

1. $m + n = 32$

$m - n = 4$

Penyelesaian:

$$\begin{array}{r} m + n = 32 \\ m - n = 4 \\ \hline \end{array}$$

Diagram illustrating the elimination method for the system of equations:

$$\begin{array}{r} m + n = 32 \\ m - n = 4 \\ \hline 2n = 28 \\ n = 14 \end{array}$$

gantikan $n = 14$

$$m + 14 = 32$$

$$m = 18$$

2.

$4x + 3y = 11$

$3x - y = 5$

Penyelesaian :

$$\begin{array}{r} 4x + 3y = 11 \\ 3x - y = 5 \times 3 \\ \hline \end{array}$$

Diagram illustrating the elimination method for the system of equations:

$$\begin{array}{r} 4x + 3y = 11 \\ 9x - 3y = 15 \\ \hline 5x = 26 \\ x = 5.2 \end{array}$$

gantikan $x = 5.2$

$$4(5.2) + 3y = 11$$

$$20.8 + 3y = 11$$

$$3y = -9.8$$

$$y = -3.27$$

3. $3p - 5q = -5$

$4p - 11q = 2$

Penyelesaian:

$$\begin{array}{rcl}
 (3p - 5q = -5) \times 4 & \longrightarrow & 12p - 20q = -20 \\
 (4p - 11q = 2) \times 3 & \longrightarrow & \boxed{} \\
 \hline
 \boxed{} \bigcirc \boxed{} & = & \boxed{} \bigcirc \boxed{} \\
 \boxed{} & = & \boxed{} \\
 q & = & \boxed{}
 \end{array}$$

gantikan $q = \boxed{}$

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

$3p = \boxed{}$

$p = \boxed{}$

SELAMAT MENJAWAB
SEMOGA BEROLEH KEJAYAAN