

Name:

Solve the following simultaneous linear equation by the elimination method.

$$x + 2y = 3 \text{ and } 3x + 4y = 5.$$

$$x + 2y = 3 \longrightarrow \textcircled{1}$$

$$3x + 4y = 5 \longrightarrow \textcircled{2}$$

$$\textcircled{1} \times 2: \quad \square + \square = \square \longrightarrow \textcircled{3}$$

$$\textcircled{2} \quad \square \quad \textcircled{3} : \quad \square = \square$$

Substitute $x = \square$ into $\textcircled{1}$:

$$\square + \square = \square$$

$$\square = \square + \square$$

$$\square = \square$$

$$\square = \square$$

Hence, the solution is $x = \square$ and $y = \square$