

Name:

Solve the following simultaneous linear equation by the elimination method.

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

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

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

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

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

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

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

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

$$\square = \square$$

$$\square = \square$$

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