

Name: _____

Solve the following simultaneous linear equation by the elimination method.

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

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

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

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

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

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

$$\boxed{} + \boxed{} = \boxed{}$$

$$\boxed{} = \boxed{} + \boxed{}$$

$$\boxed{} = \boxed{}$$

$$\boxed{} = \boxed{}$$

Hence, the solution is $x = \boxed{}$ and $y = \boxed{}$