Name: ☐

Use the substitution method to solve the following simultaneous equations.

(a) $x + 2y = 5$ → ①

$2x - 3y = 3$ → ②

From ①, $x + 2y = 5$

$x =$ ☐ → ③

Substitute ③ into ②

$2(x) - 3y = 3$

$2($☐$) -$ ☐ $=$ ☐

☐ $-$ ☐ $=$ ☐

☐ $-$ ☐ $=$ ☐

☐ $=$ ☐ $-$ ☐

☐ $=$ ☐

$y =$ ☐ / ☐

$y =$ ☐

Substitute $y =$ ☐ into ③

$x = 5 - 2y$

$x = 5 - 2($☐$)$

$x = 5 -$ ☐

$x =$ ☐

Hence, the solution is $x =$ ☐ and $y =$ ☐

LIVEWORKSHEETS