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 $y =$ _____