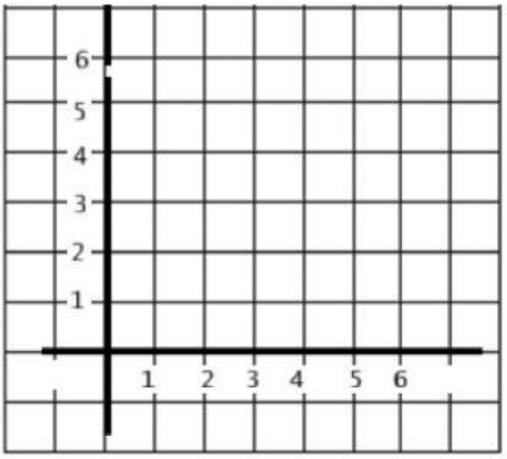
IP Maths Homework

Name: _____ Grade ____/____ No.: _____

Simultaneous Linear Equations

1. Graph the ff. equations to determine its solution.

x + y = 6		-4x + y = 2	
x = 0	y = 0	x = 0	y = 0
0 + y = 6 y = ____	x + 0 = 6 x = ____	0 + y = 2 y = ____	-4x + 0 = 2 y = _____
(__, __)	(__, __)	(__, __)	(__, __)



x = _____ y = _____

2. Solve simultaneously by substitution.

3x – 4y = 17

x – 4y = 3 ⟶ x = _____

3(_____) – 4y = 17

_____ + _____ - 4y = 17

_____ - _____ = _____ - _____

_____ = _____

y = _____

y = _____

x = 3 – 4y

x = 3 – 4(____)

x = 3 - _____

x = _____

The solution is (_____, _____).

3. Solve simultaneously by elimination.

5x + 2y = 13

x + 2y = 9

_____x = _____

x = _____

x = _____

x + 2y = 9

_____ + 2y = 9

y = _____