Geometry	Name							
CLASSWORK: Solving equations	period		1	2	3	4	5	6
Preliminary concepts:								
Adding –3 is the same as subtracting		Subtra	cting 8	is the sa	ame as a	idding _		
Multiplying by $\frac{1}{2}$ is the same as dividing by		Dividing by 7 is the same as multiplying by						
Multiplying by 6/5 is the same as dividing by _		Dividir	ng by 9/	4 is the	same as	s multipl	ying by _	

## PART 1) Easy stuff:

A + 3 = 21	-12 - B = 88	4 <i>C</i> = 72	D 5
11 0 21	12 0 00	10 72	$\frac{D}{7} = \frac{3}{12}$
			7 42

PART 2) One step above the Easy stuff: How are the

How are these related to the PART 1) equations?

$\frac{9}{5}(A) + 3 = 21$	-12 - 4B = 88	4(C+11) = 72	$\frac{D-2}{7} = \frac{5}{42}$

PART 3) Two steps above the Easy stuff:

How are these related to the PART 2) equations?

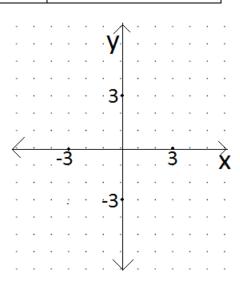
$\frac{9}{5}(A+42)+3=21$ -12	2-4(B-7)=88	$4\left(\frac{C}{3}+11\right)=72$	$\frac{3D-2}{7} = \frac{5}{42}$

	······································			
3y - 4x + 39 = 0	5x - 8y = 56	$\frac{(y-2)}{(x+3)} = \frac{-6}{7}$	$\frac{3(y+7)}{2(x-9)} = 1$	

## PART 5) Equations of lines.

a) Graph the points (3,4) & (-3,6). Use a straightedge to extend a line with arrows beyond the grid. Write the equation of the line.

b) Graph the points (-6, -3) & (4, -1). Use a straightedge to extend a line with arrows beyond the grid. Write the equation of the line.



## Part 6) Linear Equations in Point-Slope form

