

Show all working – <u>NO</u> calculator required.

1. Solve these equations:

a)	2x - 12 = -3	(b) $5z + 9 = 4$	(c) $6y - 9 = 2y + 5$	
d)	3(2x-4) = 6	(e) $6(a-1) = 4(a+2)$		(11)

2. Solve these inequalities:

a)	7x < 42	(b) $3x - 2 \ge -11$	(c) $9x + 2 \le 6x + 11$	
d)	4x - 5 > 7x + 1	(e) $2(y-4) < 5(y+2)$		(10)

3. Solve:

a) $\frac{2x}{4}$	$-5 = 3x \qquad (b)$	$\frac{x-4}{3} = -$	$\frac{3x+2}{2}$	(c) $\frac{5}{6}x - 2 =$	$=\frac{3x+4}{8}$	(9)
-------------------	----------------------	---------------------	------------------	--------------------------	-------------------	-----

Total Marks: 30

Marks