DATE:

SOLVING EQUATIONS: PART 2

RECALL

In an EQUATION		there is an	_ sign
To SOLVE an Equation		isolate the variable	
We can follow the steps below to solve equations			
C	Clear fractions by multiplying all terms by a common denominator.		
E	Expand using the distributive law to eliminate brackets		
Ι	Isolate the variable on one side of the equation using opposite operations		
D	Divide by the numerical coefficient attached to the variable		

i)
$$\frac{2x+10}{3} = 20$$
 ii) $6x + 5 = 4x - 7$

ii)
$$\frac{x+3}{8} + \frac{x+1}{3} = 3$$
 iv) $3(x-1) + 1 = 5(x-2)$

EXAMPLES: Solve each of the following equations.

1.
$$x-4=12$$
 2. $5x+3=4x-12$ **3.** $2x-5=11$

4. 3x - 11 = 5x + 3**5.** 8x + 13 - 3x = -26 + 2x

6.
$$4(2x-3)+6=(7-6x)+5$$

7. $\frac{r+5}{3}+5=-r$

8. $0.2\nu = 0.6\nu + 1.7$ **9.** 4(3g-5) = -2(46+3g)