

**INSTRUCTIONS:** Attempt to solve each problem by yourself. If you aren't sure, try your best and then move on to the next problem. It is ok if you aren't sure, but it is not ok not to try. Only write in the left column.

(a) $6x - 1 + 6x = 11$	
(b) $(x + 3)^2 - 4 = 0$	
(c) $-5x - 8(1 + 7x) = -8$	
(d) $2\sqrt{x+3} - 1 = 7$	
(e) $\frac{1}{x} = \frac{6}{5x} + 1$	

(f)  $\begin{cases} 4x + 2y = 10 \\ x - y = 13 \end{cases}$

(g)  $-3 - 6(4x + 6) > -111$

(h)  $2 - 5|5x - 5| = -73$

(i)  $\frac{x+10}{x-7} = \frac{8}{9}$

(j)  $x^2 - 13x = 30$