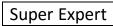
Student name:	
Date:	Block:

## Project name : Absolute Value Inequalities

Basic	
$ x-3  \le 4$	x + 3  > 4
$x + 3 \le 4  \text{and}  x - 3 > -4$	$x + 3 \le 4$ or $x - 3 > -4$
Advanced	
4(2-x) < 12 and $4(2+x) < 12$	$8 - 2 x - 3  \le 4$



$$(2-y)(y-3) < 0$$

$$|z + 1| < |2 - z|$$

$$\operatorname{Hint} \mathbf{1} : |X| = \begin{cases} X & if \quad X \ge 0 \\ -X & if \quad X < 0 \end{cases}$$

Hint 2: Consider different zones