Solving Quadratic Inequalities

Original inequality	Solution of quadratic equation	Graph showing inequality region	Solution of inequality
$(x-5)(x+3) \geq 0$			
$(x-3)(x-5) < 0$			
$(x+4)(x-7) > 0$			
$x^2 + 10x + 21 \geq 0$			
$x^2 + 6x + 5 > 0$			
$x^2 - 3x + 2 < 0$			

Original inequality	Solution of quadratic equation	Graph showing inequality region	Solution of inequality
$x^2 + 7x + 12 \geq 0$			
$x^2 - 12x + 35 \leq 0$			
$x^2 + x - 6 \leq 0$			
$x^2 \geq 4x + 21$			
$5x^2 - 11x + 2 \leq 0$			
$18 + 3x - x^2 > 0$			