1 Find the set of values of x	for which:	
a $x^2 - 11x + 24 < 0$	b $12 - x - x^2 > 0$	c $x^2 - 3x - 10 > 0$
$\mathbf{d} \ x^2 + 7x + 12 \ge 0$	e $7 + 13x - 2x^2 > 0$	0 f $10 + x - 2x^2 < 0$
$\mathbf{g} \ 4x^2 - 8x + 3 \leq 0$	h $-2 + 7x - 3x^2 <$	0 i $x^2 - 9 < 0$
$j 6x^2 + 11x - 10 > 0$	k $x^2 - 5x > 0$	$2x^2 + 3x \le 0$
2 Find the set of values of x	for which:	
a $x^2 < 10 - 3x$	b $11 < x^2 + 10$	
$\mathbf{c} \ \mathbf{x}(3-2\mathbf{x}) > 1$	d $x(x+11) < 3(1-x)$	- x ²)
3 Find the set of values of <i>x</i>	for which:	
a $x^2 - 7x + 10 < 0$ and $3x + 5 < 17$		b $x^2 - x - 6 > 0$ and $10 - 2x < 5$
c $4x^2 - 3x - 1 < 0$ and $4(x + 2) < 15 - (x + 7)$		d $2x^2 - x - 1 < 0$ and $14 < 3x - 2$
e $x^2 - x - 12 > 0$ and $3x + 17 > 2$		f $x^2 - 2x - 3 < 0$ and $x^2 - 3x + 2 > 0$
4 a Find the range of value	s of <i>k</i> for which the equ	ation $x^2 - kx + (k+3) = 0$ has real roots.

a Find the range of values of k for which the equation x² - kx + (k + 3) = 0 has real roots.
b Find the range of values of p for which the roots of the equation px² + px - 2 = 0 are real.