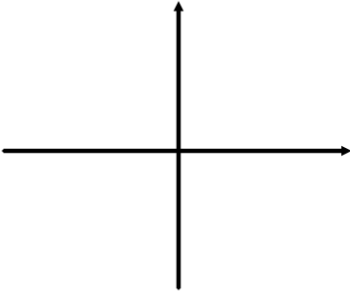


Name: _____

Feb 14th	5-a-day	Core 1
<p>Solve</p> $3x^2 - 11x + 8 < 0$		
<p>L_1 has equation $x + 3y + 1 = 0$</p> <p>L_2 is perpendicular to L_1 and passes through $(4, 9)$</p> <p>Find the equation of L_2</p>		
<p>Sketch $y = (x - 3)(x + 1)(x + 5)$</p>		
<p>In an arithmetic sequence</p> $U_2 = 7$ $U_{11} = 43$ <p>Find the common difference</p>	<p>Find the first term</p>	
<p>Calculate the sum of the first 40 terms.</p>		