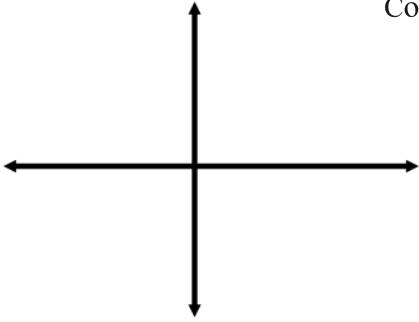


21st March	
<p>Sketch</p> $y = (2x + 1)(x - 3)^2$ <p>showing the coordinates where the curve meets the axes.</p>	 <p>Corbettm@ths</p>
<p>Solve using completing the square</p> $x^2 + 10x - 20 = 0$	
<p>An outdoor theatre has seats arranged in rows</p> <p>There are 38 seats in row 8. There are 82 seats in row 19. The number of seats in each row form an arithmetic progression.</p>	<p>If there are 20 rows in total. Find the total number of seats.</p>
<p>The curve C has equation $y = f(x)$, $x \neq 0$, and the point A (1, 7) lies on C. Given</p> $f'(x) = 2x + 5 - \frac{6}{x^2}$ <p>Find the equation of the normal to C at the point A.</p>	