
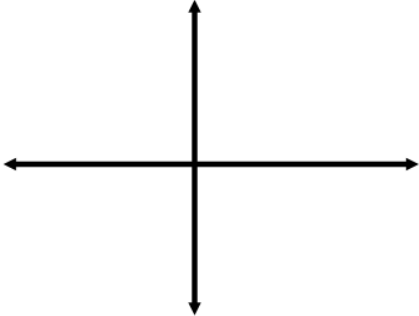


31st March	
<p>Solve the equations</p> $x + 2y = 3$ $x^2 + 3xy = 10$	 Corbettm0ths
<p>Factorise fully</p> $y = x^3 + 4x^2 - 12x$	
<p>Sketch</p> $y = x^3 + 4x^2 - 12x$ <p>Showing any coordinates where the curve meets the axes.</p>	
<p>Solve</p> $(9^x) - 30(3^x) + 81 = 0$	
<p>The fourth term of an arithmetic progression is 126. The 20th term is 318.</p> <p>Calculate the sum of the first 20 terms.</p>	