

20	(a)	3.5	<p>P1 for process to find the common difference between the first and second and the common difference between the third and second term eg $(3x + 1) - (x + 2) (= 2x - 1)$ and $(x + 2) - (x - 4) (= 6)$</p> <p>or for process to write a correct equation in x, eg $(3x + 1) - (x + 2) = (x + 2) - (x - 4)$ or $2x - 1 = 6$ oe</p> <p>A1 for 3.5 oe eg $\frac{7}{2}$</p>	
	(b)	-0.5, 8	<p>P1 for process to write a correct equation in terms of the common ratio and y eg $r(y - 4) = y + 2$ or $r(y + 2) = 3y + 1$</p> <p>P1 for process to write a correct equation in y eg $\frac{3y + 1}{y + 2} = \frac{y + 2}{y - 4}$ oe</p> <p>P1 for process to write a correct equation without fractions eg $(3y + 1)(y - 4) = (y + 2)(y + 2)$ oe</p> <p>P1 for process of writing a correct simplified equation eg $2y^2 - 15y - 8 (= 0)$</p> <p>A1 cao</p>	<p>r can be any letter apart from y</p> <p>The quadratic does not have to equal 0, ie accept $2y^2 - 15y = 8$</p>