Substitution and formulas 1c name		
<ol> <li>1) If p = -4 , q = 5 and r = 10 find the value of</li> <li>a) pq + r</li> </ol>	<ul> <li>3) Find the general term of the number pattern</li> <li>4, 7, 10, 13</li> </ul>	c) f(2)
	T <sub>n</sub> =	d) g(a)
b) $\frac{r^2}{q}$	4) The formula for the area of a trapezium is $A = \frac{1}{2} h(a + b)$	e) f(x) + g(x)
c) <u>5r + 4q</u> p	Find the area if h = 6 cm , a = 3 cm and b = 4 cm.	<ul> <li>7) Construct a formula for</li> <li>a) the number of minutes</li> <li>(M) in H hours</li> <li>M =</li> </ul>
d) $p^2 + q^2 + r^2$	<ul> <li>5) Write an expression for</li> <li>a) the sum of g and k<sup>2</sup></li> </ul>	<ul> <li>b) the average speed (S) of a car travelling D km in H hours.</li> <li>S =</li> <li>8) Write an equation linking</li> </ul>
	b) the product of 6y and a	x and y a) x 0 1 2 3
2) The general term of a number pattern is given by T <sub>n</sub> = 2n - 5	c) the average of v, w , x , y , and z	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Find a) the first 4 terms	d) half of 8k	b) x 0 1 2 3 y 3 4 5 6
b) the 10 <sup>th</sup> term	e) 3 times the sum of 5a and 8	y =
c) the 50 <sup>th</sup> term	6) Given $f(x) = 2x + 3$ and $g(x) = x^2 + 1$ find	
	a) f(4)	
	b) g(5)	