Year 8 Mathematics		Assignment 3		Date Due:	
1.	Simplify:				
	(a) $3a + 2a$	(b) $3x + 2y - x + 2y$	(c)	$5x^2 - 9x^2 + x^2$	
	(d) $12m \div 2m$	(e) $3a \times 2b \times 4$	(f)	$\frac{7xy}{14xy}$	
2.	Write each of the fe	ollowing as an algebraic exp		Ттлу	
	(a) 5 more $k$	(b) half of $k$			
		f 3 and <i>k</i> decreased by 10			
	( )	the sum of $a$ and $k$			
3.	Simplify:		-		
	(a) $\frac{d}{3} + \frac{d}{3}$	(b) $\frac{m}{3} + \frac{m}{2}$	(c) $\frac{n}{6} + \frac{5n}{8}$		
4.	Expand:				
	(a) $4(x+2)$	(b) $-7(2k+1)$ (c)	c) $5y(7y-2)$		
5.	Expand and simplify:				
	(a) $m(m-2) + 4m$	m (b) $8 + 4(7p - (2k + 2y))$ (c) $3(2k + 4) - (2k + 2y)$	2)		
-		(d)  3(2k+4) -	2(k-1)		
6.	Factorise fully: (a) $2m + 6$ (b) $d^2 - d$ (c) $2ab + 3a$ (d) $2x^2y + xy^2$				
7.		(b) $a^2 - a^2$ (c) 2ab s a simplified fraction	+ 5a (d)	2x y + xy	
7.					
	(b) Change $3\frac{1}{2}$ %				
	(c) Change $\frac{3}{8}$ to a	percentage			
	(d) Write 1.3 as a percentage				
	(e) Arrange 0.105, 10%, $\frac{11}{100}$ and 0.015 in assending order (f) Find 2% of \$15				
	(g) Find $33\frac{1}{2}\%$ of	1 hour			
	(h) What percentage is 45cm of 1m?				
	· / I	1			
8.		2			
0.					
	· · ·	amount is 1995, find the am	-		