Using the Nth Term of Sequences			
$u_n = \frac{6n}{n+7}$	$u_n = \frac{4n+3}{n+1}$	$u_n = \frac{10-3n}{2+n}$	$u_n = \frac{4n^2}{n^2+8}$
(a)	**(a)**	**(a)**	**(a)**
Find the value of u_8 as a fraction in its simplest form.	Find the value of u_9.	Find the 6^{th} term.	Find the value of u_5 as a mixed number.
(b)	**(b)**	**(b)**	**(b)**
A term of the sequence is $\frac{11}{3}$ Find the value of n.	A term of the sequence is $\frac{15}{4}$ Find the value of n.	A term of the sequence is $-\frac{7}{5}$ Find the value of n.	Find the term in the sequence closest to 3.8
(c)	**(c)**	**(c)**	**(c)**
Find the difference between the 5^{th} term and the 9^{th} term.	Find the sum of the 4^{th} term and the 14^{th} term.	Find $2u_{10} - u_{16}$	Find the difference between the 8^{th} term and the 10^{th} term.
(d)	**(d)**	**(d)**	**(d)**
Find the first term in the sequence that is greater than 4	Find the first term in the sequence that is greater than 3.9	Find the first term in the sequence that is negative.	Find the smallest value of n for which $u_n > \frac{7}{2}$