

15 Factorise.

(a) $x^2 - 7x + 12$

..... [2]

(b) $5x + 10y + 6ny + 3nx$

..... [2]

16 The table shows three sequences.

	1st term	2nd term	3rd term	4th term	5th term	<i>n</i> th term
Sequence <i>A</i>	8	13	18	23	28	
Sequence <i>B</i>	$\frac{3}{2}$	$\frac{4}{3}$	$\frac{5}{4}$	$\frac{6}{5}$	$\frac{7}{6}$	
Sequence <i>C</i>	$\frac{1}{4}$	$\frac{1}{2}$	1	2	4	

Complete the table to show the *n*th term of each sequence.