Linear Sequences

Find the next three terms in the sequence $8, 12, 16, \ldots$	Find the missing term in the sequence $5, \_\_\_ , 11, 14, \ldots$	Find the nth term of the sequence $1, 4, 7, 10, \ldots$	Find the nth term of the sequence $11, 6, 1, -4, \ldots$
The term-to-term rule is add 4: $16 + 4 = \mathbf{20}$ $20 + 4 = \mathbf{24}$ $24 + 4 = \mathbf{28}$	The term-to-term rule is add 3: $5 + 3 = 8$ The sequence is $5, \mathbf{8}, 11, 14, \ldots$	$1, 4, 7, 10, \ldots$ The difference between terms is $+3$ The shift from the $3\times$ table is -2 The nth term is $3n - 2$	$11, 6, 1, -4, \ldots$ The difference between terms is -5 The shift from the $-5\times$ table is $+16$ The nth term is $-5n + 16$
Find the next three terms in the sequence $11, 8, 5, \ldots$	Find the missing term in the sequence $7,\ 13, \_\_\_ , 25, \ldots$	Find the nth term of the sequence $6, 10, 14, 18, ..$	Find the nth term of the sequence $8, 6, 4, 2, \ldots$
Find the next three terms in the sequence $3, 5.5, 8, \ldots$	Find the missing term in the sequence $-23, \_\_\_ , -17, -14, .$	Find the nth term of the sequence $-1, 5, 11, 16, \ldots$	Find the nth term of the sequence $8, 0, -8, -16$
Find the next three terms in the sequence $-3, -7, -11, \ldots$	Find the missing term in the sequence $5, 4.4, \_\_\_ , 3.2, \ldots$	Find the nth term of the sequence $8.1, 8.5, 8.9, 9.3, \ldots$	Find the nth term of the sequence $1.3, 1.1, 0.9, 0.7, \ldots$