C11 - 1.2 - Arithmetic Series Sum terms WS

Find the sum of the first sixth terms of the sequence.

2, + 4, + 6, + ____, + _____ =

3, + 7, + 11, + ____, + ____, =

8, 14, 20, ____, ____ =

7, 10, 13, ____, ____,

11, 14, 17, ____, ____,

6, 8, 10, _____, _____, _____

2, 6, 10, _____, _____,

3, 10, 17, ____, ____,

8, 13, 18, ____, ____, ____

7, 14, 21, ____, ____,

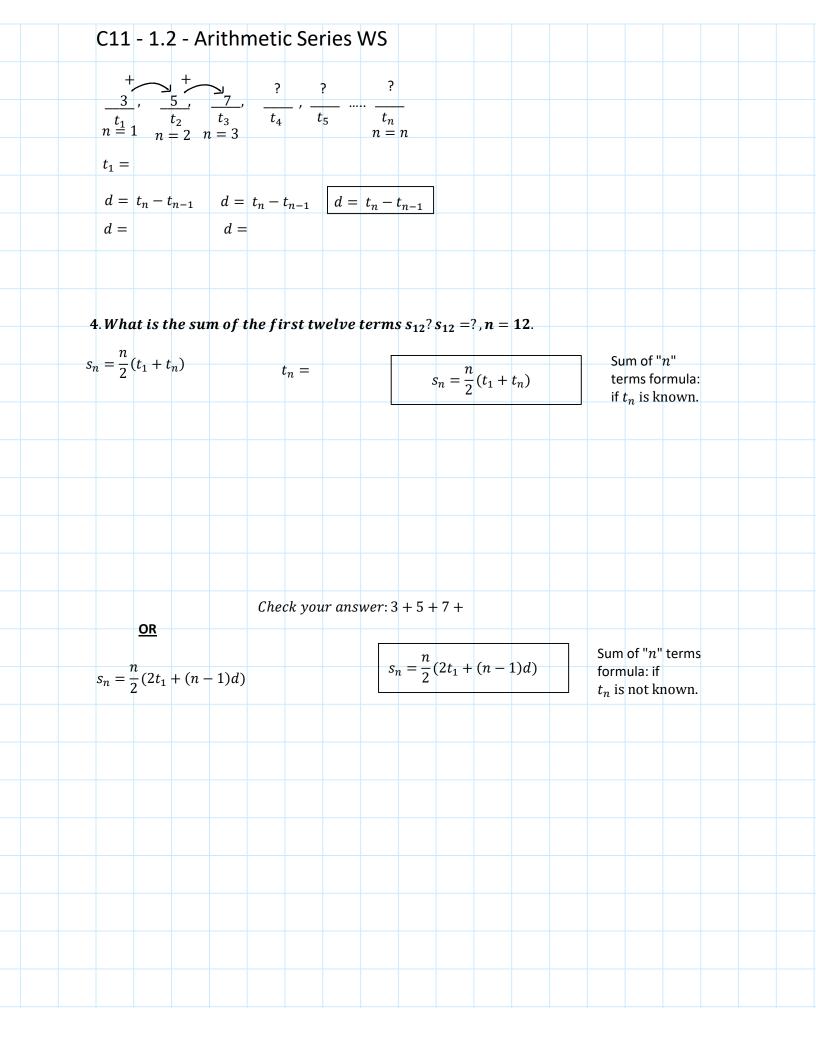
11, 17, 23, _____, _____,

8, 7, 6, ____, ____,

7, 2, -3, ____, ____,

11, 8, 5, ____, ____,

6, 5, 4, _____, _____



C11	- 1.2	2 - Aı	rithr	neti	c Sei	ries	Sum	nth	terr	ns H	W					
F:l .a		- £ 41-	- C :+	12 +		2	. 17									
Fina t	he sum	i or the	e first	12 teri	ms. S ₁₂	$\underline{2} = ?,$	n = 12									
3,	7,	11,	,	15,					8, 14, 2	20, 26,	32	6,	13, 20), 27, 3	34	
Find t	he sum	of the	first	18 terr	ms											
10,8	, 6,					3, -1	, –5,					5, 2	2.5, 0,			
Find 1	the sun	n of th	e first	100 te	rms.											
7,	10,	13,					5, 1	1, 17,	23, 29			14	1, 38, 6	52, 86,		
Find th	ne sum	of the	first 2	251 ter	ms.											
1 3 5	5						9 7	7 <u>5</u>					27, 13	3, -1,		
2,2,2	2 ,						2'2	2,2,	•				·	,		

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$t_n = t_1 + (n-1)d$ 13, 15, 17, 19,	Find "n" the number of terms	
9,12,15,18,21	9, 12, 15, 18, 21 3342 2, -2, -6, 410		4, 8, 12, 16, 20 444
-25 -42 -59 -569	25 .42 .59 .569	13, 15, 17, 19,	3, 5, 7, 9, 11 139
-25 .42 .59 .569	-25 -42 -59 -569		
8 -6 -20 -160 -25, -42, -59,569	8, -6, -20,160 -25, -42, -59,569	9, 12, 15, 18, 21	2, -2, -6,410
	0, -0, -20,100	9 6 20 160	-25, -42, -59,569

Find n and the sum.	
12 + 18 + 24 + + 72	8 + (-2) + (-12) + + (-102)
$t_n = t_1 + (n-1)d$ $s_n = \frac{n}{2}(t_1 + t_n)$	
$\frac{3n}{2}$	
10, 12, 14,88	14, 19, 24, 29, 34 99
4, 8, 12, 16, 400	3, 5, 7, 9, 371
16, 21, 26, 31, 1001	