Fill In The Blanks...

Nth Term of a Quadratic Sequence

Sequence	5	8	13	20
First Difference		3	5	7	
Second Difference			2	2	
$\boxed{1}\,n^2$	1	4	9	16
Sequence minus n^2	4	4	4	4
Linear nth term	$+4$			
Quadratic nth term	$n^2 + 4$			

Sequence	12	15	20	27
First Difference		3	5	7	
Second Difference					
$\boxed{}\,n^2$				
Sequence minus n^2				
Linear nth term				
Quadratic nth term				

Sequence	0	3	8	15
First Difference					
Second Difference					
$\boxed{}\,n^2$				
Sequence minus n^2				
Linear nth term				
Quadratic nth term				

Sequence	7	13	23	37
First Difference		6	10	14	
Second Difference			4	4	
$\boxed{2}\,n^2$	2	8	18	32
Sequence minus n^2				
Linear nth term				
Quadratic nth term				

Sequence	-1	5	15	29
First Difference					
Second Difference					
$\boxed{}\,n^2$				
Sequence minus n^2				
Linear nth term				
Quadratic nth term				

Sequence	11	20	35	56
First Difference					
Second Difference					
$\boxed{}\,n^2$				
Sequence minus n^2				
Linear nth term				
Quadratic nth term				