

20.	22.
24.	26.
28.	30.

<p>14. Step 1: Write an equation for the nth term.</p> <p>Step 2: Find <math>a_{16}</math></p>	<p>15. Step 1: Write an equation for the nth term.</p> <p>Step 2: Find <math>a_{66}</math></p>
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Algebra 2  
Section 10.2 p670 #1

Name: KEY

20. $a_n = 11n + 13$	22. $a_n = -3n + 72$	
24. $a_n = 0.25n + 11$	26. $a_n = -7n + 16$	
28. $a_n = -2n + 8$	30. $a_n = -5n - 7$	
14. 162	15. 248	
18. 17	19. 14	
32a. $a_n = 8n + 115$	32b. 9 <sup>th</sup> season	32c. No; there are a maximum of 300 points in the bowling game, so it would be impossible for the average to continue to climb indefinitely.
33. 19, 14, 9, 4,	34. 5, 16, 27, 38	
35. -21, -14, -7, 0	36. 75, 66, 57, 48	