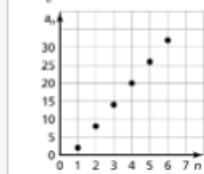
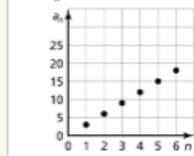


8. yes; The terms have a common difference of -8 .

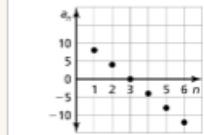
9. $a_n = 6n - 4$



10. $a_n = 3n$



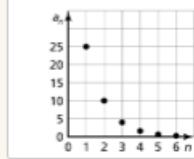
11. $a_n = -4n + 12$



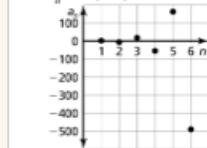
12. 2070

14. yes; The terms have a common ratio of 2.

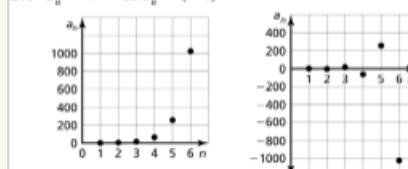
15. $a_n = 25\left(\frac{2}{3}\right)^{n-1}$



16. $a_n = 2(-3)^{n-1}$



17. $a_n = 4^{n-1}$ or $a_n = (-4)^{n-1}$



18. 855

20. -1.6