

1. 3, 1, 2, 3, 4, 7, 10, 11, 12, 13, 16, 17, 18, 19

1. $\{1, 2\}$

2. $a_n = a + 2$

3. $\{a, b, c, \dots, z\}$

4. $\{a, b, c, d\}$

Did not
do * 7. 5, 25, 125, 625

~~10. $\{1, (a+1), (a^2+1), (a^3+1)\}$~~

~~11. $\{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$~~

~~12. $\{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$~~

16. $n^2 - 1$

17. $(-1)^{n+1}$

~~18. $\{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$~~

~~19. $\{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$~~

$$10. \frac{a^n - 1}{a - 1}$$

$$\frac{a^3 - 1}{a - 1}$$

$$\frac{a^1 - 1}{a - 1} \quad \frac{a^2 - 1}{a - 1}$$