Taylor Earl
CS 2130

1.3 1, 2, 3, 4, 7, 10, 11, 12, 13, 16, 17, 18, 19

1. $\{1, 2\}$

2. $a_n = 9 + 2$

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

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

Divity
20 * 7. 5, 25, 125, 625

$\{1, (9+1), (9^2+1), (9^3+1)\}$

16. $n^2 - 1$

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

10. $\dfrac{a^n - 1}{a - 1}$ $\dfrac{a^1 - 1}{a - 1}$ $\dfrac{9^2 \cdot 1}{a - 1}$

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