7. A sequence is **bounded** if

8. Write the first 4 terms of the sequence $a_n = \frac{n-1}{n+1}$

$$a_n = \frac{n-1}{n+1}$$

9. Write the first 4 terms of the sequence given by the recursion $a_1=3, a_n=\frac{1}{4-a_{n-1}}$

10. Write the first 4 terms of the sequence given by the recursion
$$a_1=2, a_n=\frac{1}{2}\left(a_{n-1}+\frac{5}{a_{n-1}}\right)$$

$$a_1 = 2, a_n = \frac{1}{2} \left(a_{n-1} + \frac{5}{a_{n-1}} \right)$$