Definition blitz! Do as many questions as you can.
Provide definitions for the following:

1. a sequence;

2. series;

3. sequence of partial sums;

4. what it means for a *sequence* to converge;

5. what it means for a *series* to converge;

6. Taylor series for function $f(x)$ at c;

7. Taylor polynomial of degree k for $f(x)$;

8. test for divergence;

9. alternating series test;

10. comparison test .