

SECTION 5.5: ALTERNATING SERIES

(1) An *alternating series* is

(2) Some examples

(a)
$$\sum_{n=1}^{\infty} \left(\frac{-4}{5}\right)^{n-1}$$

(b) (!!)
$$\sum_{n=1}^{\infty} \frac{(-1)^{n-1}}{n}$$