

Análise Matemática II
SOLUÇÕES LISTA 2

(1)

(2) (a) conv

(b) conv

(c) conv

(d) conv

(e) conv

(f) conv

(g) div

(3) (a) div

(b) div

(c) conv

(d) conv

(e) div

(f) conv

(g) div

(h) conv

(i) conv

(j) conv

(k) conv

(l) div

(m) conv

(n) conv

(4) (a) $\sum_{n=1}^8 \frac{(-1)^n}{(n+1)^2}$

(b) $\frac{1}{25}$

(5) (a) simp conv

(b) div

(c) abs conv

(6) (a) abs conv ($\alpha > 1$), simp conv ($0 < \alpha \leq 1$), div (o.c.)

(b) abs conv ($\alpha \in]\frac{\pi}{2}, \frac{3\pi}{2}[$), div (o.c.)

(7)