1 Series Notation 1

Write out the first four nonzero terms in the series:

(a)

$$\sum_{n=0}^{\infty} \frac{1}{n!}$$

(b)

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

(c)

$$\sum_{n=0}^{\infty} (-2)^n \, \theta^{2n} \tag{1}$$