

Evaluate: Infinite Geometric Series

Determine if the geometric series converges or diverges. If it converges, find its sum.

1) $\sum_{y=1}^{\infty} \left(-\frac{7}{9} \cdot 0.6^{y+1} \right)$

2) $\sum_{m=1}^{\infty} (-12 \cdot 0.4^m)$

3) $\sum_{n=1}^{\infty} (10 \cdot$

PREVIEW

$\left(\frac{\sqrt{3}}{4} \right)^{k+1})$

Gain complete access to the largest
collection of worksheets in all subjects!

5) $\sum_{p=1}^{\infty} 0.6^{p+}$

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com

7) $\sum_{d=1}^{\infty} 0.2^{d-1}$

8) $\sum_{z=1}^{\infty} (13 \cdot 8^{z-1})$