

Geometric Series Review (Assignment 59)

Every series on this page is geometric (you can see that the terms look like points on an exponential function). Use our formula to calculate each one.

$$1. \sum_{n=3}^9 \frac{1}{4} (2)^3$$

$$2. \sum_{n=0}^{14} \left(\frac{1}{3}\right)^n$$

$$3. \sum_{n=0}^{\infty} \left(\frac{1}{3}\right)^n$$

$$4. \sum_{n=-2}^6 5(3)^n$$

$$5. \sum_{n=0}^{\infty} 1.4^n$$

$$6. \sum_{n=-3}^3 2^n$$

$$7. \sum_{n=2}^{\infty} 0.9^n$$

$$8. \sum_{n=0}^{\infty} 3 \left(\frac{1}{2}\right)^n$$