

## Quiz 2

Determine whether the following series converges or diverges and if it converges, find the sum:

$$\sum_{n=0}^{+\infty} \frac{2^{n+2}}{(\sqrt{5})^n}$$

$$\sum_{n=1}^{+\infty} \left( \frac{1}{\sqrt{n}} - \frac{1}{\sqrt{n+1}} \right)$$