

数Ⅲ(数列の極限⑤・無限等比数列)

⑥ 次の極限を求めよ。

$$\textcircled{1} \lim_{n \rightarrow \infty} 3^n$$

$$\textcircled{2} \lim_{n \rightarrow \infty} 1^n$$

$$\textcircled{3} \lim_{n \rightarrow \infty} \left(-\frac{1}{3}\right)^n$$

$$\textcircled{4} \lim_{n \rightarrow \infty} (-3)^n$$

$$\textcircled{5} \lim_{n \rightarrow \infty} \frac{3^n + 4^n}{5^n}$$

$$\textcircled{6} \lim_{n \rightarrow \infty} \frac{2^n}{1 + 2^n}$$

$$\textcircled{7} \lim_{n \rightarrow \infty} \frac{5^n + 3^n}{2^n - 3^n}$$

$$\textcircled{8} \lim_{n \rightarrow \infty} \frac{2^{n+1} - 4^{n+1}}{3^n - 4^n}$$