

1)

$$\lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^{3n} = e^3$$

2)

$$\lim_{n \rightarrow \infty} \left(1 + \frac{2}{n}\right)^{5n} = e^{10}$$

3)

$$\lim_{n \rightarrow \infty} \left(1 + \frac{1}{2n}\right)^{5n} = e^{5/2}$$