Find the limit of the sequence whose terms are given by

$$
a_{n}=\left(e^{2 n}+6 n\right)^{1 / n} .
$$

$\square$

Find the limit of the sequence whose terms are given by

$$
a_{n}=\left(e^{2 n}+6 n\right)^{1 / n} .
$$

$$
e^{2}
$$

