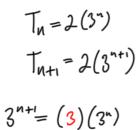
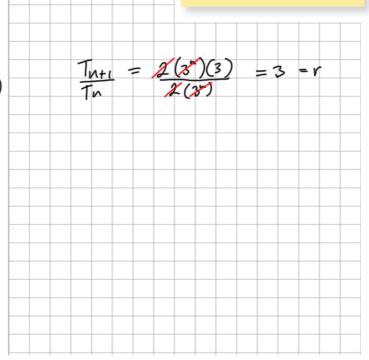
**15.** Show that the sequence whose *n*th term is  $T_n = 2 \times 3^n$  is a geometric sequence.

To show that a sequence is geometric, we must show that  $\frac{T_{n+1}}{T_n} = a \operatorname{constant}(r)$ .





**16.** Investigate if the sequence  $T_n = 3 \times n^2$  is geometric.

If geometric

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