## Created by T. Madas

## Question 7

The product operator $\prod$, is defined as

$$
\prod_{i=1}^{k}\left[u_{i}\right]=u_{1} \times u_{2} \times u_{3} \times u_{4} \times \ldots \times u_{k-1} \times u_{k}
$$

Evaluate, showing a clear method

$$
\prod_{r=2}^{\infty}\left[1-\frac{2}{r(r+1)}\right]
$$



