## WORKSHOP 2.5

Problem

Question: The model

$$
P(x)=\frac{35 x}{(1+x)^{5}}
$$

describes the population of a particular species the generation following a generation of population $x$. (The units of $P$ and $x$ are in millions.) Sketch the graph of $P(x)$, indicating local extrema and inflection points. According to your graph, is there a sustainable population?

