Stability

**Quiz:** Stability.
In the autonomous equation \( \dot{y} = f(y) \), where \( f(y) \) has the graph shown, describe the rightmost critical point.

\[
\begin{array}{c}
\dot{y} \\
\hline
-1 & 1 \\
\hline
\end{array}
\]

\[
\dot{y} = f(y)
\]

**Choices:**
a) stable
b) unstable
c) semistable
c) can't tell, could be any of them

Pick what you think is the correct choice and then look at the answer.