

$$28. \quad y = \frac{C}{1 + e^{-ax}}$$

$$\lim_{x \rightarrow \infty} \frac{C}{1 + e^{-ax}} = C$$

$$\lim_{x \rightarrow -\infty} \frac{C}{1 + e^{-ax}} = 0$$

Horizontal asymptotes: $y = C$ and $y = 0$

Matches (b)