

$$\begin{aligned}
 7. \quad & \lim_{x \rightarrow \infty} \frac{3x + 2\sqrt{x}}{1 - x} \\
 &= \lim_{x \rightarrow \infty} \frac{3 + \frac{2}{\sqrt{x}}}{\frac{1}{x} - 1} = -3
 \end{aligned}$$