

$$\begin{array}{c}
n=2 \implies C_1 = (-1) \frac{1}{2} = \frac{1}{2} \\
n=3 \implies C_3 = \frac{1}{3} \\
n=4 \implies C_4 = \frac{1}{4}$$

$$\begin{array}{c}
\text{Th} & \lim_{n \to \infty} a_n = A & \lim_{n \to \infty} b_n = B \\
\text{Then } & \lim_{n \to \infty} a_n = A \\
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 $=\frac{7-6}{14}=\frac{7}{14}=\frac{1}{2}$

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lim 7 - 3n

$$\frac{1}{100} \frac{7 - \frac{2}{n}}{\frac{5}{n} + 14} = \frac{7 - 0}{0 + 14} = \frac{7}{14} = \frac{1}{2}$$

$$\frac{3}{100} \frac{7n - 3}{5 + 14n} = \frac{0 - 0}{0 + 14} = \frac{0}{14} = 0$$

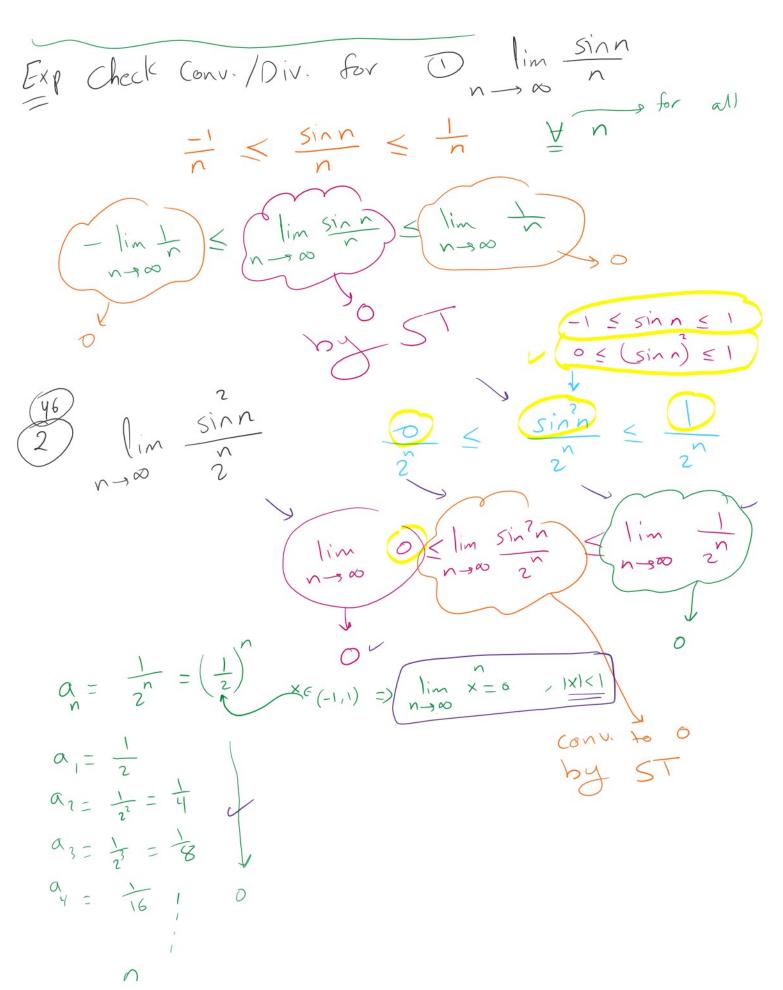
$$\frac{7}{100} \frac{7n - 3}{5 + 14n} = \infty$$

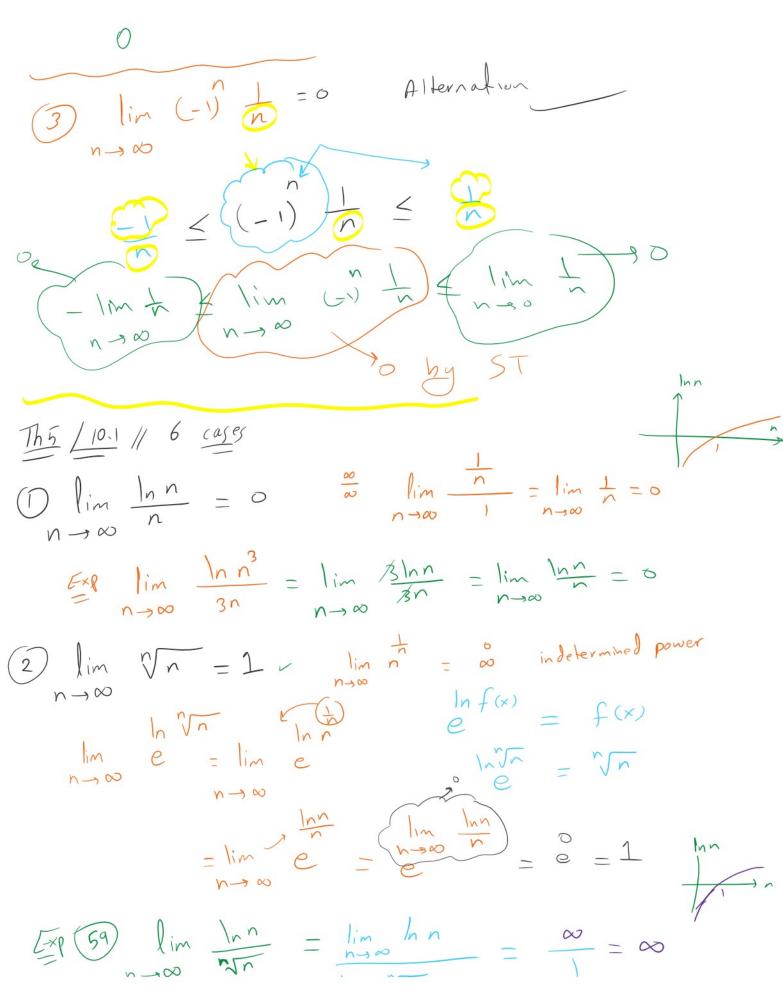
$$\frac{7}{100} \frac{7n - 3}{100} = \infty$$

$$\frac{7}{100} \frac{7n$$

In. Gur

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$$\lim_{n\to\infty} \frac{\ln n}{n - \infty} = \lim_{n\to\infty} \frac{\ln n}{n - \infty} = \lim_{n$$

$$\lim_{n\to\infty} 2 = \infty$$

$$\lim_{n\to\infty} 2 = 0$$

$$\lim_{n\to\infty} 2 =$$

$$\frac{1}{34} \lim_{n \to \infty} \frac{1}{n^{2} + n} = \lim_{n \to \infty} \frac{1}{n} \lim_{n \to \infty}$$

$$U = N - 1 =) \quad U + 1 = N$$

$$N \to \infty =) \quad U \to 0$$

$$=\lim_{u\to\infty} \left(1+\frac{u}{u}\right)$$

$$=\lim_{u\to\infty} \left(1+\frac{2}{u}\right) \left(1+\frac{2}{u}\right)^{u}$$

$$=\lim_{u\to\infty} \left(1+\frac{2}{u}\right) \lim_{u\to\infty} \left(1+\frac{2}{u}\right)^{u}$$