

نام و نام خانوادگی: ..... کلاس: ..... شماره تکلیف: .....

$$\lim_{n \rightarrow 1} \frac{(4n-3)(n-1)}{(n-1)(5n-3)} = \frac{1}{2} \checkmark$$

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$$\lim_{n \rightarrow 0} \frac{-2n+1-1n-1}{n} = \frac{-4n}{n} = -4 \checkmark$$

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$$\lim_{n \rightarrow 4} \frac{f^+}{f^-} \Rightarrow \frac{(5n-2)(5n+2)}{(5n-2)} = 14 \checkmark$$

$f^- \rightarrow 0$

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$$\lim_{n \rightarrow 2} \frac{n(n-2)}{(n-2)(2n+2)} \times \frac{1}{2} = \frac{2}{2} \times \frac{1}{2} = \frac{1}{2} \checkmark$$

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$$\lim_{n \rightarrow 1} \frac{(1-n) \times 2}{2 \times (n-1)} = -1 \checkmark$$

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$$\lim_{n \rightarrow \infty} \frac{\Gamma(n-1) \times \Gamma \times 9}{\Gamma \times \omega(n-1)} = \frac{\Gamma 1}{\Gamma 0} \checkmark$$

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$$\lim_{n \rightarrow 1} \frac{(\Gamma n + \sqrt{n} - 1) \times \Gamma}{(n-1) \times \Gamma} = \frac{(\Gamma \sqrt{n} + 1)(\sqrt{n} - 1) \times \Gamma}{(\sqrt{n} + 1)(\sqrt{n} - 1) \times \Gamma} = \frac{\Gamma 1}{\Gamma} \checkmark$$

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$$\lim_{n \rightarrow \infty} \frac{(C_{n+1})(C_n - C_{n+1})}{(C_{n+1})(C_{n-1})} = -\frac{\Gamma}{\Gamma - 1} = \frac{\Gamma}{\Gamma} \checkmark$$

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$$\lim_{n \rightarrow \frac{\Gamma}{\Gamma}} \frac{(C_n - S_n)}{C_n(S_n - C_n)} = \frac{-1}{C_n} = \frac{-\Gamma}{\sqrt{\Gamma}} = -\sqrt{\Gamma} \checkmark$$

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$$\lim_{n \rightarrow \frac{\Gamma \Gamma}{\Gamma}} \frac{(S_n - C_n)}{C_n \times (C_n - S_n)} = \frac{-1}{C_n} = -\Gamma \checkmark$$

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5/11/2019