

# Math 170: Quiz 4

Sayan Mukherjee's discussion

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**Problem 1.** Find the following limit (no need to provide a proof):

$$\lim_{n \rightarrow \infty} \frac{2n^2 + 3n + 1}{4n^2 - 2n - 1}.$$

*Solution.* The limit is  $\frac{2}{4} = \frac{1}{2}$ .

□