

Math 170: Quiz 7 Solution

Sayan Mukherjee's discussion

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Problem 1. Compute the following limit:

$$\lim_{x \rightarrow -\infty} \frac{3x^3 - 17x^2 + 1}{2x^3 - 15x + 10}.$$

Solution. The limit is equal to

$$\lim_{x \rightarrow -\infty} \frac{3x^3}{2x^3} = \frac{3}{2}.$$

Rubric.

- +5pts for correct limit $\frac{3}{2}$
- +4pts for writing limit = $-\frac{3}{2}$
- Other answers are upto grader's discretion