

HOMEWORK 12

Problems assigned up to and including **Wednesday, 12/03**. The solutions are due on **Wednesday, 12/10**.

ASSIGNED MONDAY, 12/01.

Section 7.3: 4, 5, 21.

ASSIGNED WEDNESDAY, 12/03.

Section 7.3: 9(a), 10, 11(b), 16(a,d).

Problem A (*bonus*). Compute

$$\lim n \sum_{k=1}^n \frac{1}{n^2 + k^2}.$$

Hint. We are dealing with a sequence of Riemann sums.

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The solutions.