

HOMework 3

Problems assigned up to and including **Friday, 09/12**. The solutions are due on **Friday, 09/19**.

ASSIGNED MONDAY, 09/08.

Section 2.1: 9.

Section 2.2: 15,16(a).

ASSIGNED WEDNESDAY, 09/10.

Section 2.3: 6, 9.

Problem A: Prove that $\sqrt{2} + \sqrt{3}$ is irrational.

Problem B (bonus): Prove that $|\sqrt{2} - m/n| \geq 1/(8n^2)$ for any $m, n \in \mathbb{N}$.

ASSIGNED FRIDAY, 09/12.

Section 2.4: 2, 16.

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The solutions.