

# Midterm 1 Review Problems

EECS123: Digital Signal Processing

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## **Z-transforms**

- Problem 3.4 from OSB.
- Problem 3.9 from OSB.

## **DTFT and its properties**

- Problem 2.17 from OSB.
- Problem 2.32 from OSB.

## **DFT and its properties**

- Problem 8.4 from OSB.
- Problem 8.9 from OSB.
- Problem 8.11 from OSB.
- Problem 8.23 from OSB.
- Problem 8.27 from OSB.

## **FFT and fast algorithms**

- Problem 9.5 from OSB.
- Problem 9.26 from OSB.

## **Spectral analysis**

- Problem 10.9 from OSB.
- Problem 10.11 from OSB.

## **Discrete time processing of continuous time signals**

- Problem 4.22 from OSB.
- Problem 4.23 from OSB.
- Problem 4.41 from OSB.