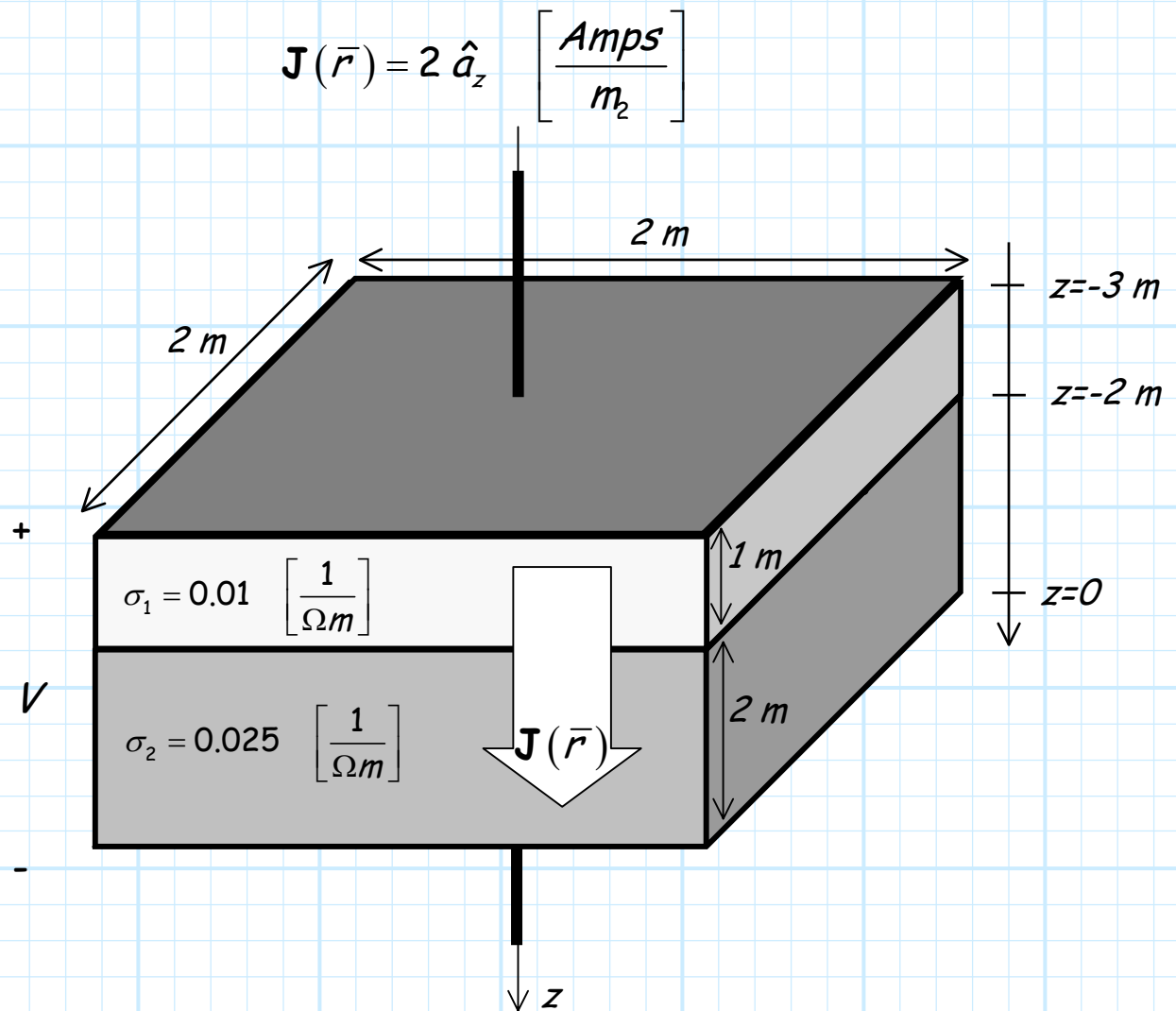


Special Problem 5-2.3

The resistor shown below is formed from **two layers** of material, each with a **different** conductivity.

The **current density** everywhere within in the resistor is known to be:



- 1) Determine the **electric potential difference** V across this resistor.
- 2) Determine the **resistance** R of this resistor.