

**From:** Olympiads School  
**To:** Grade 12 Physics students  
**Subject:** Notice for take-home midterm test

Dear students,

Your **take-home midterm test** has been posted on the school website and is due **at the beginning of Class 9**. There is no homework assigned for Class 8. The midterm test covers the first two units, and the questions consist of:

- 10 multiple-choice questions,
- 9 long-answer questions, and
- 1 bonus question

If you have paid attention to class and have done your homework, you should be able to complete it in 90 minutes; we do not recommend spending more than two hours. Here are a few (hopefully) helpful hints:

1. Read the instructions before working on the problems; you will find the information useful.
2. For vector quantities, you must answer in the format:  
**magnitude [direction]** (e.g. 30 m [down], 1.56 m/s [N 37° E])
3. Show *all* your work. If you made a serious mistake, cross out the incorrect section(s) rather than erasing it, and complete your work on the side. Attach extra sheets of paper if necessary. Correct answers without showing full calculations will not receive a passing mark.
4. Write neatly. Physics teachers are renowned for our superpowers, but they do not include deciphering poor handwriting or mind-reading. It is difficult to award part marks if we have no idea what you wrote.
5. Put a box around your answer for clarity.

If you have any additional questions about the test, please contact your teacher directly.