IB Math Studies

**Review Sheet for Chapter One: Number and Algebra**

You should be able to do the following things on the test:

Classify numbers as real, irrational, rational, integer, prime, and/or natural. *Section 1.1*

Express any decimal as a rational number in the form , where a and b are integers *Section 1.1*

Arrange numbers in any form in increasing or decreasing order *Section 1.1*

Round any answer to a requested number of significant figures *Section 1.2*

Round any answer to a requested number of decimal places *Section 1.2*

Find the percent error between an exact answer and an approximate answer *Section 1.2*

Write any number in standard form *Section 1.3*

Perform operations with numbers in standard form *Section 1.3*

Perform operations involving metric units and conversions [i.e. m2 🡪 cm2] *Section 1.4*

Perform operations involving time units and conversions [i.e. hours 🡪 seconds] *Section 1.4*

From previous knowledge, you should also know how to:

Solve any linear equation for x

Use geometric formulas for perimeter, area, and volume

Use the formula d = rt [distance = rate x time]

For review, complete the problems on pages 34-37

and/or the problems that follow



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Review Problems for Chapter One: Number and Algebra















