

## PREREQUISITES: ALGEBRA I

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Mathematics builds! To be successful in Algebra I, there are certain arithmetic skills that you are expected to already have mastered. These prerequisites are summarized on this sheet. Although some of the topics listed here may be reviewed in Algebra I, you are expected to already have some familiarity with them, so that we can quickly move beyond the basics to higher-level discussions.

Each instructor has the option of giving a quiz over this prerequisite material during the first couple weeks of class.

“Sample Prerequisite Problems” (with solutions) are available on the web.

DON'T PANIC if you're rusty on some of this material! The Math Department teachers are all available to help you review. It's very important, however, that you get this material back at your fingertips right away, because we'll be drawing on these skills frequently.

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1. basic properties of 0 and 1
2. multiplication tables through 12
3. understanding of our base ten number system: place values; ordering numbers
4. multiplying and dividing by powers of ten
5. addition, subtraction, multiplication, and division of whole numbers
6. addition, subtraction, multiplication, and division of decimals
7. addition, subtraction, multiplication, and division of fractions
8. simple arithmetic with signed numbers, like  $(-1)(3)(-2)$  and  $3 - (-4)$
9. rounding numbers (to the nearest hundredth, etc.)