Why Learn Math

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1) Fulfill current responsibility.
    a. tonight's homework
    b. this term's grade

2) Be a smart consumer.
    a. home loans, school loans, credit card debt
    b. shopping, life-cycle of expenses, insurance
    c. business models, taxes, investments, investment schemes
    d. games, gambling

3) Be an intelligent citizen.
    a. Understand budgets, trends.
    b. Statistical reasoning applied to health, social sciences.

4) Keep opportunity alive.
    a. accounting, finance, administration
    b. science, engineering

5) Quit from strength, not ignorance.
    a. Know enough to know what's right for you.
    b. Have a glimmer of what specialists do.

6) Think clearly.
    a. visualize (e.g., figure at bottom)
    b. extract the essence, put it in symbols, reason to solution
    c. proofs and well-run meetings take assessment, planning, execution

7) Mindbenders
    a. objective evaluation, multiple consistent methods, checking
    b. confidence, satisfaction
    c. independence, excitement

$$(x+2)(x+3) = x^2 + 5x + 6$$