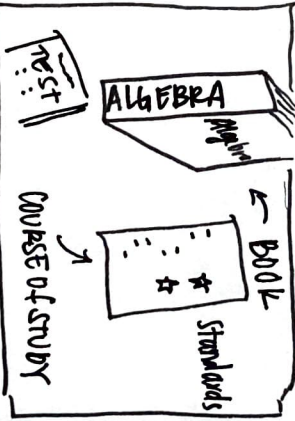
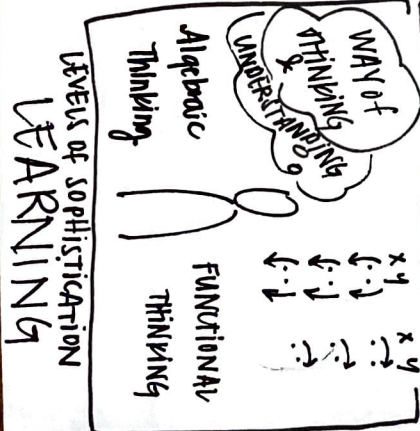
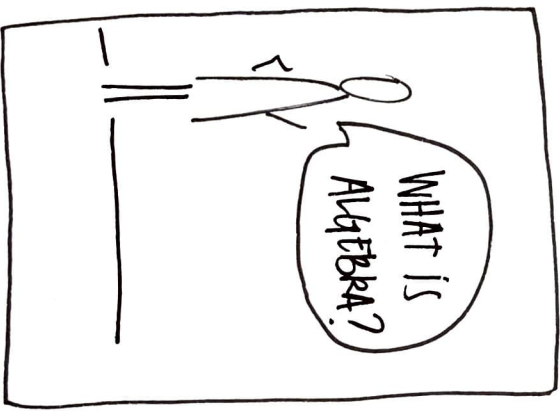
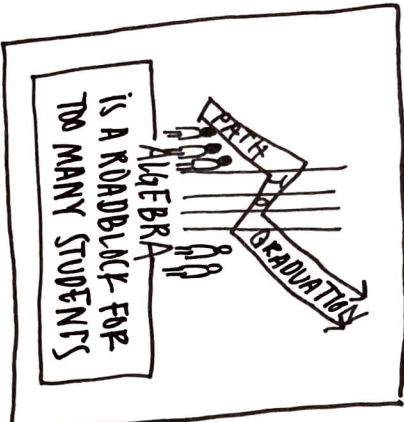
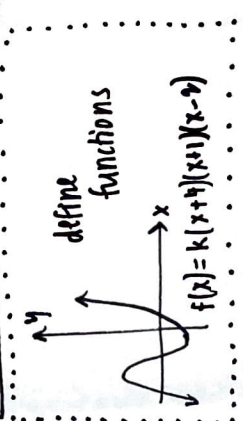


ACCESS TO MEANINGFUL ALGEBRA EDUCATION is a civil rights issue (MOSES, COBB, 2001)

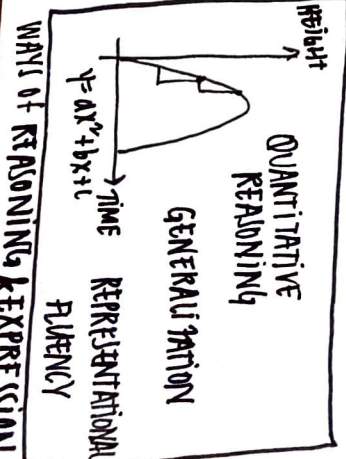


جزء، al-jabr

union of broken parts



A UNIFYING THREAD OF MATHEMATICS



CURRICULUM & INSTRUCTION

LONGITUDINAL PROGRESSION

early algebra ... formal algebra

1 2 3 4 5 6 7 8 9 10 11 12

SUPPORTS

expression, variation, generalization

$x \cdot x = x^2$

$x \cdot x \cdot x = x^3$

THE STUDY OF SYMBOLS & RULES FOR MANIPULATING THEM

BALANCE EQUATIONS

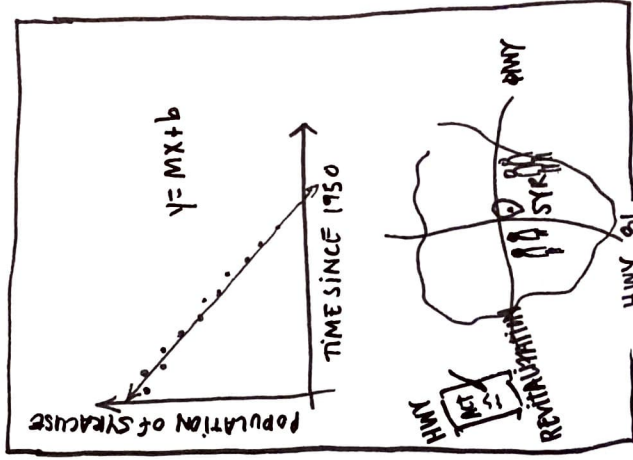
$3x^2 - 1 = 2 + x$

$x^2 + 1 = x^2 - 2$

$5 = x^2$

$1/5 = x$

A TOOL TO MODEL & MATHEMATIZE THE WORLD



DISCIPLINARY RATES BY ETHNICITY

$>$

ALGEBRA REGENTS PASS RATE

$<$

SCHOOL FUNDING PER PUPIL

SUBURBS $\$ \$ \$$

CITY $\$$