Translating into Algebra

Value Definitions

Racket Code	Algebra
`(define x 10)`	x = 10
`(define y (* x 2))`	y = x*2
`(define z (+ x y))`	**z = x + y**
`(define age 14)`	**age = 14**
`(define months (* age 12))`	**months = age * 12**
`(define days (* months 30))`	**days = months * 30**
`(define hours (* days 24))`	**hours = days * 24**
`(define minutes (* hours 60))`	**minutes = hours * 60**

Function Definitions

Racket Code	Algebra
`(define (area length width)` `  (* length width))`	area(length, width) = length * width
`(define (circle-area radius)` `  (* pi (sqr radius)))`	**circle-area(radius) = pi * radius^2**

`(define (distance x1 y1 x2 y2)`
`  (sqrt (+ (sqr (- x1 x2))`
`  (sqr (- y1 y2)))))`
	distance(x1, y1, x2, y2)= $\sqrt{(x1-x2)^2+(y1-y2)^2}$