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qiubay

1.

1) 62

2) 17

3) -4.

2. (define make-thing  
 a) 
 ↓ takes 2 variables  
 thing & f.

↓ evaluate as a function lambda takes 1 variable,  $x$ .  
 (lambda  $x$ )

↓ multiply "thing" with  $(f\ x)$ , where  $f$  is a function

thus, make-thing takes a number — thing  
 a function —  $f$ .

if given an input  $x$ ,

the output is  $\text{thing} * f(x)$

b) (mystery 5) is 30.

since double =  $f$   $\therefore f(5) = 10$

thing = 3

result =  $3 * 10 = 30$ .

[see next page]

more specifically,

((make-thing 3 double) 5)

