SICP Chapter 1

ProducerMatt

Testing

```
(define (foo a b)
  (+ a (* 2 b)))
(foo 5 3)
```

 $\hat{\ }$ Dynamically evaluated when you press "enter" on the BEGIN src block!

Also consider:

- :results output for what the code prints
- :exports code or results to just get one or the other

```
a + (2 \times b) < \sim \text{inline Latex btw :})
```

Exercise 1.1

\mathbf{Q}

Below is a sequence of expressions. What is the result printed by the interpreter in response to each expression? Assume that the sequence is to be evaluated in the order in which it is presented.

\mathbf{A}

```
10 ;; 10
(+ 5 3 4) ;; 12
(- 9 1) ;; 8
(/ 6 2) ;; 3
(+ (* 2 4) (- 4 6)) ;; 6
(define a 3) ;; a=3
(define b (+ a 1)) ;; b=4
(+ a b (* a b)) ;; 19
```

Exercise 1.2

 ${f Q}$

Translate the following expression into prefix form:

$$\frac{5+2+(2-3-(6+\frac{4}{5})))}{3(6-2)(2-7)} \tag{1}$$

 \mathbf{A}

1/75