Pre-Lab Exercise 2.1 The approximation is accurate to 4 decimal places for k = 11.

Lab Exercise 2.2 The approximation is accurate to 2 decimal places for k approximately 120.

Pre-Lab Exercise 2.3

Lab Exercise 2.4 Given (define pi (estimate-pi 10000)) where 10000 is arbitrarily chosen.

procedure	k	x	value
atan-cf	10	1	.785398135111635
atan-cf	30	1	.7853981633974483
atan-cf	100	1	.7853981633974483
atan		1	.7853981633974483
atan-cf	10	π	1.258297497839761
atan-cf	30	π	1.2626364386129623
atan-cf	100	π	1.2626364544599773
atan		π	1.262636454459977

Pre-Lab Exercise 2.5

```
(lambda (a b)
      (sqrt (+ a b))))
0
(lambda (i) x)
k))
```

Lab Exercise 2.6 The approximation is accurate to 4 decimal places for k = 10.