Exercise 1.42.

Let f and g be two one-argument functions. The *composition* f after g is defined to be the function $x \mapsto f(g(x))$. Define a procedure `compose` that implements composition. For example, if `inc` is a procedure that adds 1 to its argument,

```
((compose square inc) 6)
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```

Answer.

```
(define compose
  (lambda (f g)
    (lambda (x)
      (f (g x)))))
```