Exercise 2.8.

Using reasoning analogous to Alyssa's, describe how the difference of two intervals may be computed. Define a corresponding subtraction procedure, called `sub-interval`.

Answer.

Much similar to the addition operation, the lower bound of the difference of two intervals can be worked out by subtracting the upper bound of the second interval from the lower bound of the first. Contrarily, the resulting upper bound could be the difference between the upper bound of the first interval and the lower bound of the second.

```
(define (sub-interval x y)
  (make-interval (- (lower-bound x) (upper-bound y))
                 (- (upper-bound x) (lower-bound y))))
```