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#lang racket
; Returns the length of a list.
(define (list-length xs)
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```
; Returns the sum of a a list of numbers.
(define (sum xs)
```

```
; Returns a list with consecutive integers in order from lo to hi.
(define (range lo hi)
```

```
; Returns a list where each element is the square
; of the corresponding element in xs.
(define (squares xs)
```

```
; Returns a list containing only even numbers in xs, in order.
(define (evens xs)
```

```
; Returns #t if the list ys contains element x and #f otherwise.  
(define (contains? x ys)
```

```
; Returns a new list containing all the elements of ys, in order,  
; except x.  
(define (remove x ys)
```

```
; Returns #t if the list is in sorted order and #f otherwise.  
(define (sorted? xs)
```

```
; Returns a list containing all of the elements of xs, but  
; with no duplicates.  
(define (dedup xs)
```