



## Section 3 - Extra practice solutions

*This handout was composed by Porter Jones. There are probably plenty of typos/incorrect solutions/etc for you to catch! Please email me with any issues, comments. or feedback at [pbjones@cs.washington.edu](mailto:pbjones@cs.washington.edu). All thoughts are welcome :)*

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```
a) fun swap_pairs (xs) =  
    map (fn (a, b) => (b, a), xs)
```

```
b) fun size xs =  
    fold(fn (acc, x) => acc + 1, 0, xs)
```

```
c) fun remove_all (x, xs) =  
    filter(fn y => not(y = x), xs)
```

```
d) fun contains (x, xs) =  
    fold(fn (acc, x') => acc orelse x = x', false, xs)
```

```
e) fun intersect (xs, ys) =  
    filter(fn x => contains (x, ys), xs)
```