CSCE 330 Fall 2000

QUIZ 27

Assigned Monday 00/11/13

Write an ML function that doubles all the elements of a non-empty integer list. Call the function double. Use patterns.

Answer:

```
fun double [x] = [2*x]
|   double (x :: xs) = (2*x) :: double(xs);
```

Also accept (although this was **not** the intent of the quiz):

```
fun double [x: int] = [x,x]
|   double (x :: xs) = x :: x :: double(xs);
```