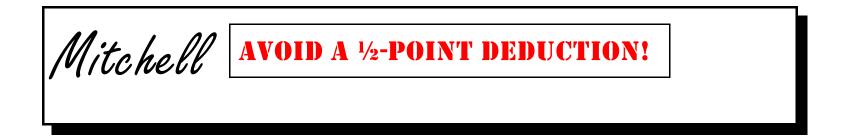
## QUIZ!

Use a full sheet of 8½x11" paper. (Half sheet? Half credit!)

Put <u>only your last name</u> in the <u>far upper left hand corner</u> of the sheet, where a staple would hit it. It's OK to write BIG, just start in the corner!



Keep answers short! Avoid full sentences. Feel free to abbreviate.

3 questions; 3 minutes; 3 points. Plus a ½ point E.C. question.

Question 1 is worth two points.

Numbering responses may help you avoid overlooking a question. You may go ahead and number your paper.

Quiz 5, February 18, 2016  
3 minutes; 
$$2 + \frac{1}{2} + \frac{1}{2}$$
 points

1. Consider folding a list of strings into the total length of the strings:

For this problem you are to write a folding function **f** that would work as shown with the **foldl** calls above

- 2. What's a difference between **foldl** and **foldr**?
- 3. What's a difference between **foldr** and **foldr1**?

## Solutions

- 2. What's a difference between **foldl** and **foldr**? **foldl** folds the list from left to right but **foldr** folds from right to left.
- 3. What's a difference between **foldr** and **foldr1**? **foldr** needs a "zero" value, for the case of an empty list.