

QUIZ!

## Quiz Stuff

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

Put your last name and NetID in the far upper left hand corner of the paper, **where a staple would hit it**. (It helps us sort quizzes!)

*Mitchell, whm*

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No need to write out questions. It's ok to abbreviate answers.

Numbering responses may help you avoid overlooking a question; it's ok to go ahead and pre-number your sheet.

3 minutes; one 3-point question. ½ point E.C. if no singletons.

## Quiz 11, April 18, 2014

3 Minutes; 3 points + ½ point E.C. if no singletons!

1. Write a predicate **middle(+List, ?Middle)** where **Middle** is **List** with the first and last elements removed.

?- middle([a,b,c,d,e],M).

M = [b, c, d] ;

false.

?- middle([1,2],[]).

true.

?- middle([1],M).

false.

As a reminder, here's the documentation for append:

?- **help(append/3).**

append(?List1, ?List2, ?List1AndList2)

List1AndList2 is the concatenation of List1 and List2

Usage:

```
?- middle([a,b,c,d,e],M).  
M = [b, c, d] ;  
false.
```

Solution:

```
middle(L,M) :-  
    append([_ ], Rest, L),  
    append(M, [ _ ], Rest).
```