

QUIZ!

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

Put only your last name in the far upper left hand corner of the paper, where a staple would hit it. (It's OK to write **BIG**, just start in the corner!)

Mitchell

AVOID A ½-POINT DEDUCTION!

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

Feel free to abbreviate.

2 questions; 2 minutes; 2 points.

Quiz 14, April 21, 2015

2 minutes; 1+1 points; 2 points total

The predicate `head(?List, ?Head)` expresses the relationship that the first element of `List` is `Head`.

```
?- head([10,20,30], L).
```

```
L = 10.
```

```
?- head([10,20,30], 5).
```

```
false.
```

```
?- head(L, 5).
```

```
L = [5 | _G2567].
```

Problems

1. Write `head` using `append/3`.
2. Write `head` without using `append/3`.

Solutions

```
head(L, H) :- append([H], _, L).
```

```
head([H | _], H).
```