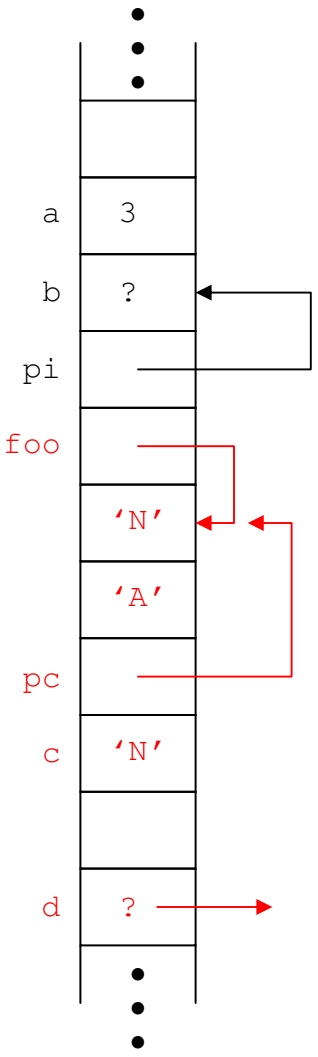
IC210 Quiz 33 Name: _____

1. Complete this drawing of memory for the remaining declarations and statements. Use the manner that is already shown. Show a variable's value by filling in its memory location with its value. Use arrows for pointers. If a variable has not been initialized, show its value as a question mark (?).

```
int a = 3;
int b;
int *pi = &b;

char foo[2] = { 'N', 'A' };
char *pc = foo;
char c = *pc;

double *d;
```



2. Match an item on the left with the letter of the best description on the right:

B	double baz;	A. statement
D	baz(char* q);	B. declaration
A	baz = 0;	C. function call
C	baz(q)	D. reference parameter

3. Explain what the & symbol means in each of the following:

```
int n, *p = &n;
```
it is the "address-of" operator

```
foo( int &n );
```
it denotes a reference parameter

4. Parenthesize the following expression in the manner in which it is interpreted by the compiler

```
3**p
```
Answer: (3 * (*p))