1. Given the following declaration, write a snippet of C code that might lead to strlen(arr) returning no less than 8.

char arr[4]:

2. Fill in the correct expression:

char s1[MAX1]; char s2[MAX2];

getname(s2, MAX2); /\* Initializes the string s2 \*/

3. a) Fill in the argument for malloc so that it allocates just enough space for the remaining code.

$$\begin{array}{l} \text{char **s = malloc}( & 3 & * & \text{size}) & \text{char } \text{t}); \\ \text{char p[10] = "Paul";} \\ \text{char q[10] = "Karen";} \\ \text{char r[10] = "Francois";} \\ \end{array}$$

$$*s = p;$$
 $*(s+1) = q;$ 

$$*(s+2) = r;$$

b) Write the above 3 statements using array notation so that they have the same effect.

c) Write one C statement to truncate the string "Francois" so that the following printf statement prints Fran

printf("%s\n", r);

d) Give the type of the following expressions. If the expression is not a pointer, also give its value.

