

C Pointer Questionnaire

Roll Number: _____

Time Allotted: 30 minutes

Instructions:

Each question consists of a snippet of code in the *C* programming language. Your task is to create a clear representation of the code in an appropriate format (e.g., figures, text, etc.) in the space provided and use it to evaluate the output of the code.

Question 1

```
int x = 10, y = 20;
int *p = &x;
int *q = &y;
*p = *q;
q = p;
*q = 50;
printf("%d %d\n", x, y);
```

Question 2

```
int arr[] = {2, 4, 6, 8};  
int *p = arr;  
printf("%d\n", *(p + 2));
```

Question 3

```
char str1[] = "Hi";  
char str2[] = "Bye";  
char *p = str1;  
char *q = str2;  
*p = *q;  
str2[1] = 'a';  
printf("%s %s\n", str1, str2);
```