

COMP1411 MIDTERM EXAM:

QUESTION 1:

- 1) $l = 10$
- 2) $m = 14$
- 3) $c = 'r'$
- 4) z is not declared so m cannot be computed. But if z was declared then: $m = 5$

QUESTION 2:

UP

QUESTION 3:

$y = 8$

$z = 40$

QUESTION 4:

$\text{numBoxes} = 2$

QUESTION 5:

- A. write function prototype for function that receives height and length of a rectangle and returns the area of the rectangle.

```
int area(int height, int length){  
    int area = length * height;  
    return area;  
}
```

- B. A function that receives a character symbol (for example, '*') and an integer value n ; and displays the character symbol for the n number of times.

```
void char_display(char *word, int n){  
    while(n!=0){  
        printf("%c", word);  
        n = n-1;  
    }  
}
```

QUESTION 6:

Output generated by function:

4

7

6

QUESTION 7:

```
void stopatPair(int num){
    if(num>=22 & num <=100){
        for(int i=num; i>=22; i--){
            if(num%11 == 0){
                printf("%d ", num);
                break;
            }
            else{
                printf("%d ",num);
            }
            num = num - 1;
        }
    }
    else{
        printf("Input not in range");
    }
}
```