Student's Name: _____

① What is the result of

LSR   R11 , R11, #5   if R11 = 10101010

(Remember we
have 32-bit word
size)

(3 points)

② What is the result of   (5 points)

ASR   R12 , R12, #3

if   R12 has   0xF1216251

(Note that we can
store   0xF1216251
in R12 using MOV
(we will discuss
this   later,
use   LDR and
declare variable)

③ Write an ARM Assemble program to immitate the following C++ code:

```
int *a;
a = new int [5]; //sets all values to zero
a[2] = 32;
int *b;
b = a+1;
b[1] = 65;
int c = a[2]+b[1];
```

(12 points)

Hint: create a data value in ARM

Finally, write the final value of c.