1. M[R[%esp]-4] = R[%esp];
   R[%esp] = R[%esp]-4;

2.

Operand	*Value*
%ebx	*0x10*
0x900	*0x8932ff*
(%eax)	*0x34*
8(%eax)	*0x12*
$0xA12	*0xA12*
(%eax,%ecx)	*0x5FA*
(%eax,%edx,2)	*0x12*
0x24(%ecx,%ebx,4)	*0x8*

3.

Instruction	*Destination*	*Value*
addl %ecx, %eax	*%eax*	*0x1CF*
sarl $3,%eax	*%eax*	*0x20*
subl %edx,(%eax)	*0x100*	*0xC9*
decl 0x10(%eax)	*0x110*	*0xA9*
imull $2,(%eax,%edx,4)	*0x110*	*0x154*
leal 6($eax),%ecx	*%ecx*	*0x106*

4. 参考答案：

```
int t = z-y;
return ((t<<15)>>15)*(x^t);
```

5.

After instruction 2 has finished:

%edx	0x55AA
%esp	0xBFFFFF9C
%ebp	0xBFFFFF9C

After instruction 3 has finished:

%edx	0x55AA
%esp	0xBFFFFF9C
%ecx	0xFFFFFFAA

After instruction 4 has finished:

%edx	0x55AA
%ecx	0xFFFFFFAA
%eax	0xFF

After instruction 6 has finished:

%eax	0xFF
%esp	0xBFFFFFA0
%ebp	0xBFFFFFC4