

## Recitation 9 Practice - Computer Organization, Fall 2013

1. Translate the following “C” code to assembly.

```
void mp(int old, int *new)
```

```
{
```

```
int t1=32, t2=-23;
```

```
int tmp;
```

```
tmp = old+t2;
```

```
*new=old*t1;
```

```
}
```

2. Assuming your machine uses 8 bit 2’s complement for integer representation. Indicate the flags that will be set (if any) in the operations for the following values of “old”.

a. -32

b. 114

c. -114.