

QUESTION 1

- a) `mov ax, bx`
legal
- b) `mov ax, bl`
illegal because it's not same size
- c) `mov cx, ip`
illegal because cannot get value of ip register
- d) `mov sp, bx`
legal
- e) `move value1, 10`
legal
- f) `mov value1, bx`
illegal because not the same size
- g) `mov value1, value2`
illegal because one instruction only one memory operand, not same size
- h) `mov value2, dx`
legal
- i) `mov ds, es`
illegal because cannot be in mov
- j) `mov cs, 6`
illegal because cs is a segment register
- k) `MOV 23, value2`
illegal because immediate value cannot be in destination

QUESTION 3

```
mov ax, 20  
mov bx, 30
```