**2.3**

sub $t0, $s3, $s4

sll $t0, $t0, 2

add $t0, $t0, $s6

lw $t1, 0($t0)

sw $t1, 32($s7)

**2.6**

The decimal number of 0xabcdef12 is 2882400018

**2.11**

1. The range is $s1 >= - 128
2. The range is $s1 <= - + 128
3. The range is $s1 < - + 128

**2.15**

Type: I-type

assembly language instruction: lw $v0, 4($at)

binary representation: 1000 1100 0010 0010 0000 0000 0000 0100