- A) Slide 51. To find neg, compenent the binery value and add 1. You can also we the scan method.
- B) 1111 1101 = -128+64+32+16+8+4+1 = -3

$$0011 \ 0100 = 32 + 16 + 4$$

$$= 52$$

$$-99 = -125 + 16 + 8 + 4 + 1$$

$$= 1001 1101$$

$$= 64 + 32 + 4 + 1$$

$$= 0110 0101$$

$$-123 = -125 + 4 + 1$$
$$= 1000 0 0 101$$

[PAPT 3

Encodins HW

A) 511de 49. Iff most sig bit is 1, then decinch have is neg. If it is 0, then just add. If it is 1, then add value of the rest compenented.

B) $1010 \ 1010 = (-1)^{1} (64+16+4+1) = -35$ $1001 \ 0101 = (-1)^{1} (64+32+8+2) = -106$ $1001 \ 1111 = (-1)^{1} (32+6+8+46) = 63$

58 = 32 + 16 + 8 + 2 = 60111010 $-39 = -(\sim(32 + 4 + 2 + 1)) = 11011000$ 1(7 = 64 + 32 + 16 + 4 + 1) = 0111010 $-75 = -(\sim(64 + 8 + 2 + 1)) = 10110100$

[PART]