

1) Convert the following numbers to 16-bit 2's-complement binary numbers.

A) 1024_{10}

B) -5555_{10}

C) -1_{10}

D) 32000_{10}

E) $2AC9_{16}$

2) Complete the following c program operations

A) $0x032 \ \& \ 32;$

B) $104 + 0x25;$

C) $255 \wedge 0x20;$

D) $0x33 \ | \ 0x0c;$

E) $125 \ \& \ \sim 0x18;$