

1. Convert the following numbers from the given base to the other three bases listed in the table:

<u>Decimal</u>	<u>Binary</u>	<u>Octal</u>	<u>Hexadecimal</u>
69.3125 ₁₀	?	?	?
?	10111101.101 ₂	?	?
?	?	326.5 ₈	?
?	?	?	C7.A ₁₆

2. Perform the following arithmetic operations using 2's complement arithmetic and assuming a word length of 8 bits:
- $17_{10} - 69_{10}$
 - $-12_{10} \times 11_{10}$
 - $-116_{10} \div -21_{10}$
3. Calculate the decimal value which is equivalent to the binary value: 100010010110 in each of the following cases:
- If it represents a BCD number.
 - If it represents a Gray Code.
 - If it represents a signed number in the sign-magnitude form.
 - If it represents a signed number in the 1's complement form.
4. Represent 69.3125₁₀ as a single-precision floating-point binary number.