**Question: 1**

Perform the following conversions.

1. (110110)2=()16
2. (453)8=()2
3. (459)10=()16

**Question: 2**

Add and multiply following numbers without converting them into decimal

2E and 34

**Question: 3**

Determine the base of the numbers in each case for the following operations to be correct:

a) 14/2 = 5

b) 54/4 = 13

**Question: 4**

A register is a small memory unit. Suppose 12 bit register contains following information: 100010010111. What is its content if the information is written in

a) 8 4 -2 -1

b) Binary number