ANSWER  
  
1.The hexadecimal representation of 1300400 is **0x13d7b0**  
2.

**[which actually means: sqrt(2)\*sqrt(pi)\*fresnelc(sqrt(2)/sqrt(pi))\*gamma(1/4)/(8\*gamma(5/4)) in python]**

3. x0+x1+2x2+2x3+3x4+4x5+5x6+6x7+6x8+7x9 ,&=9,

X0+2x1+4x2+5x3+6x4+7x5+4x6+5x7+7x8+8x9 ,&=8,

X0+2x1+3x2+4x3+5x4+6x5+7x6+8x7+8x8+9x9 ,&=4,

4x0+6x1+7x2+8x3+9x4+4x5+3x6+2x7+3x8+2x9 ,&=5,

4x0+6x1+7x2+8x3+7x4+4x5+3x6+8x7+3x8+2x9,&=6,

4x0+6x1+7x2+7x3+9x4+8x5+7x6+6x7+3x8+2x9 ,&=7,

8x0+5x1+7x2+7x3+9x4+4x5+3x6+6x7+3x8+2x9 ,&=4,

5x0+6x1+4x2+8x3+4x4+4x5+3x6+5x7+7x8+2x9, &=5,

4x0+6x1+7x2+8x3+9x4+4x5+3x6+2x7+3x8+2x9,&=6,

5x0+7x1+9x2+7x3+7x4+4x5+8x6+2x7+4x8+2x9 ,&=7

3. **Solution(for 10 variables)** =  
x0= -4.96321436e+14, x1 = -6.10737000e+14, x2 =  5.69865001e+14, x3 = -5.49559167e+14, x4=  6.18742184e+14, x5= -2.40643655e+14, x6 = -1.02993532e+14, x7 = 2.06247395e+14, x8=  1.17022129e+15, x9 =  -1.08157852e+15.