```
O which of the following sets of vector are
  bases for P2.
      1-3x+2x,1+x+4x,1-7x
   Solution:
          P1: 1-3x+2x2 2 P2: 1+x+4x2, P3: 1-7x
       CIPI + C2P2 + C3P3 =0
     C1(1-3x +2x2)+(2(1+x+4x2)+(3(1-7x)=0
    C1+C2+C3 =0
   - 3C1 +C2 -7C3 =0
     201 +402 = =0
     1A1 = $1) (0+28)-1(0+14)+1(-12-2)
            28 -14 -14
         = 28-28
              0 Nontrivial
              Linearly dependent
Not Basis
```