```
Problem Set 5
              Valton Rothenberger
         2
         d
      2
      4
         a
      5
          cu = 0.5 res = 0.3
          money multiplier = (0.5 +1)/(0.5+0.3) = 1.875
1000,000 \cdot (1.875) = 11.875,000

money multiplier = \frac{M}{200} = \frac{50}{25} = 12
      6
         Y=0, 0= 0.02
          i = 0.02 + 0.02 + 0+ 0.5 (0.02 - 0.02)
         i= 0.04
           Fed Funds note = 4% [C]
          res = 0.05 cu = 0
          money multiplier = (0+1)/(0+0.05) = 20
            20 + 1000 - $ 20,000
       10
          p= -0.01 y= 4%
       11
           i= -0.01 + 0.02 + 0.5 (0.04) +0.5 (-0.01-0.02)
             = 0.01 + 0.02 + 0.015
             =0,015
100
             = (165.90%
                             10,250 -9650 = 0.059
999999
          P-0.01
       12
          i= 0.01 + 0.02 + 0.5(0.059) + 0.5 (0.01-0.02)
            = 0.03+0.0295-0.005
             - 0.0545
              c 5.45%
```

V = nominal GDP nominal money stock V=9 real output = 18,000 p=200 NGOP = 18000 \* 200 = 3,600,000 14 Nominal money stock = 400,000 money stock = 2000 Money Demand = 18,000 = 197 real outent = 12,000 NGDP = 480,000 NMS=120,000 - 1133 x 120=160 Increased to 160,000 Price level increases by 1.33×40= 53,32 53,32-40= 113.32 16 r=4%0 0-3%0 nmd=6%0 6/0-390 = 3/0 x (4%) = 3% 0 5 - 3 = 2%