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Assignment 4 Peter Rauscher
   I pledge my honor that I have abided by the Stevens
Honor System.
   3.3)
    Real growth 22-23 = (19269-18965) ~ %1.6
    Per capita real GDP 22 = $18965 bil = $56,076.30 per capita
   Per capita real GDP 2023 = # 19269 6:1 = $ 56,590.31 per capita
   Real GDP rate of charge = $19269-$18965 = $304 billion/year
   Real GDP per capita R.O.C = $56590.31-$56076.30

= $514.01/year
   3.6)
   Nom. GPP in 2018 = \Sigma(Q \cdot P)
=(300 · 1.15)+(750 · 4)+(180 · 15)+(450 · 2.5)+(85 · 30)+(85 · 5)
    = $10,145
   b) Real GDP with 2016 as base year
                   7106
        2016
Red GDP $6517 $6699.50
                                $7322.50
Growth
                  %2.8 %9.3
 blenions.
  year
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3.6c) Real GDP with 2017 as base year 2018

Rcal GPP \$7790 \$8017.50 \$8767.50 (2017 tox)

% 9.35

Growthrate 9/02.92 Since best - 9/02.92

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0/0 0/0 3.7) Quarter GDP distator % increase in Price Level 10.58 201391 110.58 111.25 11.25 201392 111.63 12.19 201393 201324 112.19 201491 112.75 12.75 113.03 2014 92 13.03 113.61 201493 13.61 2014 24

GPP Deflator = Nominal GPP * 100%

% increase in PL = (6DP Deflator - 100%)

2.3)	Year	Bundle Price	[CPI (2016 Base)
	2016	\$550	100
	2017	\$ 575	104.55
	2018	\$ 562.50	102.27

Burdle $_{2016} = 50(2) + 125(3) + 100(0.75) = 550 Burdle $_{2017} = 50(1.50) + 125(3) + 100(1.25) = 575 Burdle $_{2018} = 50(2) + 125(2.50) + 100(1.50) = 562.50

 $CPI_{2016} = \frac{550}{550} \times 100 = 100$ $CPI_{2017} = \frac{550}{550} \times 100 = 104.55$ $CPI_{2016} = \frac{562.5}{550} \times 100 = 102.27$

% Change in CPI 2016-2017 = 104.55 × 100 = 9.4.55
% Change in CPI 2017-2016 = 102.27-104.55 × 100 = -% 2.18

No, the CPI fell between 2017 and 2018 50 there was no iplation.