Growth rate real 6DP over 2014
4 Piece of GDP
[ Consumption C 70%~
Private Spending on goods and services not intended for use in future production  ex! Pizza, washing makine s works
2. (n Vestmen + I / 6-17%~
Printe spruding ontools plant, and agripment used to produce future output
Printe sprading ontools plant, and agripment used to produce future output ex: shovel timelinithing
3. Government Spending G
Sporting by all leads of government on final goods and services
ex: planes, gout jubs
H Net Exports NX
Exports - Imports
ex:Jeep Topoto
(in billion) I Aal GDP
Consumption C \$11,484.3 68.5%
Investment 2,648 [5.8
GOVE/MMA+ G 3,143,9 (8.7
Net Exports NX -508.7 -3
C+I+G+NX=Y
GrowthRates
Gowth Rate of X = 1/6 AX
= (hangeih) Starting X
= Starting X

$$=\frac{\chi^{\rho}}{(\chi^{-}\chi^{\rho})}$$

- x :

GDPQ cy 12 = 16,163

GDP @ end 13' = 16 678 GDP growth 13' = 16,678-16,163 = 0.03743 = 3.74%

Real Vs. Numinal GDP

Recall:

(si) Pis market unlues

GDP= Z(pxg)

Numical GDP: GDP incorner dollars

Raw GDP data, unadjusted for piece changes

Real GDP: GDP adjusted for changes in overall price level

> 6DP in "constant dollars

Notation:

Y= Pex IGD? } PY= hominal GD?

Base Year = 7009

Computing Real GDP

Two Steps:

PX

1. Divide to filter out old prices

2. Multiply to put in new

## Short comings of GDP Data

- 1. Non-Market Production
- A. Household Work
  - B. Volunter Work
- 2. Underground Autivity
- 3. Environman Impacts
- 4. Leisure Time

## Dury GDP = Huppings.

- 1. Wealthier people upport granter life satisfaction than poor people in the same country
- 2. Nations that we would him report grante life satisfaction than notions that we power
- 3. Over time, as nations expring economic goldh, The page in those nations or part greate levels of life Satisfaction