Use the GDP data from 1929 to 2008 collected in the first part of this assessment (Assignment 4 Data Collection) to match the following GDP numbers with the corresponding year.  
(Points : 10)

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| --- | --- | --- |
| Answer |  | Potential Matches: |
| : 103.6 |  | 1 : 1981 |
| : 86.1 |  | 2 : 1938 |
| : 101.4 |  | 3 : 1983 |
| : 3536.7 |  | 4 : 1940 |
| : 3128.4 |  | 5 : 1929 |

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| Use the CPI data from 1913 to 2008 collected in the first part of this assessment (Assignment 4 Data Collection) to match the following CPI numbers with the corresponding year. (Points : 10)   |  |  |  | | --- | --- | --- | | Answer |  | Potential Matches: | | : 13.9 |  | 1 : 1936 | | : 14.0 |  | 2 : 1940 | | : 15.2 |  | 3 : 1931 | | : 24.1 |  | 4 : 1950 | | : 33.4 |  | 5 : 1967 | |



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| **3.** Please calculate the real GDP from nominal GDP for years 1929 to 2008, using CPI as the GDP deflator. Then, please choose all the correct answers from the following list. (There may be more than one answer.) (Points : 10)         The real GDP is 428.47 in 1932.         The real GDP is 602.88 in 1942.         The real GDP is 993.25 in 1942.         The real GDP is 1305 in 1951.         The real GDP is 4809.47 in 1972. |



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| **4.** From your data set, please calculate the **nominal** GDP growth rate for years 1930 to 2008. Then, please match the following **nominal** GDP growth rates with the corresponding year. (Points : 5)   |  |  |  | | --- | --- | --- | | Answer |  | Potential Matches: | | : -6.31% |  | 1 : 1938 | | : 7.08% |  | 2 : 1939 | | : 0.26% |  | 3 : 1954 | | : 3.17% |  | 4 : 2001 | | : 3.43% |  | 5 : 2008 | |



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| **5.** From your data set, please calculate the **real** GDP growth rate for years 1930 to 2008. Then, please match the following **real** GDP growth rates with the corresponding year. (Points : 5)   |  |  |  | | --- | --- | --- | | Answer |  | Potential Matches: | | : 1.26% |  | 1 : 1947 | | : -4.32% |  | 2 : 2008 | | : -3.94% |  | 3 : 1938 | | : -0.40% |  | 4 : 1933 | | : -0.85% |  | 5 : 1991 | |
| |  | | --- | | **1.** Please draw a CPI trend from 1929 to 2008, i.e. plot CPI (the vertical axis) against year (the horizontal axis). |      |  | | --- | | **2.** Please compare the nominal and real GDP trends from 1929 to 2008, i.e. plot both nominal and real GDP (the vertical axis) against year (the horizontal axis). |      |  | | --- | | **3.** Please compare the nominal and real GDP growth rates from 1930 to 2008, i.e. plot both nominal and real GDP (the vertical axis) growth rates against year (the horizontal axis). |      |  | | --- | | **4.** Please identify the recession in the early 1990s in a diagram. Hint: Illustrate the variation in the real GDP from 1987-1993 in a chart. (Points : 1) |      |  | | --- | |  | |