1. Suppose that you are given the following table. Could you find out the real exchange rate (RER) for years 1990, 1995, and 2000 and interpret your results?

<table>
<thead>
<tr>
<th></th>
<th>1990</th>
<th>1995</th>
<th>2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-R</td>
<td>$2/YTL</td>
<td>$2.5/YTL</td>
<td>$2/YTL</td>
</tr>
<tr>
<td>$\text{P}_{\text{US}}$ index</td>
<td>100</td>
<td>110</td>
<td>130</td>
</tr>
<tr>
<td>$\text{P}_{\text{YTL}}$ index</td>
<td>100</td>
<td>120</td>
<td>108</td>
</tr>
<tr>
<td>RER</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Suppose that a Turkish importer contracts to purchase 1000 Apple computers at a cost of €500 per computer or $650 per computer. The current exchange rates are YTL1.5/€ and YTL1.25/$. Which currency should the importer prefer for payment?

3. Suppose that a Turkish importer contracts to purchase 1000 Apple computers at a cost of €500 per computer or $650 per computer. The payment is one-year later and expected exchange rates are YTL1.6/€ or YTL1.2/$. Which currency should the importer prefer for payment?

4. Suppose that the annual interest rate in Turkey is 12%. Suppose that the current spot rate is YTL1.3/$ and that the annual interest rate in the U.S. is 2%. What should be the expected exchange rate in a year ahead in order to assure equivalent returns in the two markets?

5. Suppose that a Turkish investor likes taking risks. The annual interest rate in Turkey is 12% and the expected percentage depreciation of YTL against dollar is 10% in a year ahead. What should be the rate of interest in the States for making sure that both markets yield the same return? (Answer this question by using the approximate UIP rule).
6. Suppose that expected percentage depreciation of Turkish YTL against U.S. $ in a year is 20%. How many percentages should the rate of interest in Turkey must exceed that of U.S.?

7. If the nominal exchange rate falls from 1 euro per dollar to 0.80 euros per dollar, holding the price level in the U.S. and Europe constant, what happens to the real exchange rate? What happens to U.S. imports and exports as a result?

8. Suppose that the nominal exchange rate is 1 euro per dollar. What happens to the real exchange rate as the price of the good rises to $130 in the U.S., holding the nominal exchange rate and the European price constant?

9. Suppose that the nominal exchange rate is 1 euro per dollar. What happens to the real exchange rate as the European price of the good rises to 120, holding the nominal exchange rate and the price level in the U.S. constant?

10. Suppose that the nominal exchange rate is 1 euro per dollar. What happens to the real exchange rate if the prices of U.S. goods and services rise by 10% (a 10% U.S. inflation rate), while the prices of European goods and services rise by only 5% (a 5% European inflation rate), holding the nominal exchange rate constant?

11. Given the following simple Keynesian model:

\[ \text{AE}=C+I+G+X-M \]
\[ C=50+(0.85)YD; \quad YD=Y-T; \quad T=(0.2)Y; \quad I=110 \]
\[ G=208; \quad X=82; \quad M=10+(0.08)Y \]

(a) Determine the equilibrium level of income.

(b) When the equilibrium income level is attained, is there a surplus or deficit in the trade balance?