Component of Spending	Value in billions of dollars
Consumption	174
Business fixed and residential investment	40
Inventory stock at the end of 2017	10
Inventory stock at the end of 2018	15
Depreciation (corporate + gen. Gov.+ NPs+ Unincorporated)	18
Government outlays	90
Government purchases	75
Total government tax receipts	100
Exports	21
Imports	30
Labor income	150
Net Operating Surplus(Corporate and Mixed)	90
Taxes on production and imports	30

3. Given the data in the above table, calculate the following:

(a.) Inventory investment

(b.) Net exports

(c.) Gross domestic product

(d.) National saving

(e.) Government saving

(f.) Verify that national saving equals investment plus net exports.

a) Inventory stock 2017 − Inventory stock 2018 = 15 − 10 = 5 ← Inventory

b) Exports − Imports = 21 − 30 = −9

c) $Y = C + I + G + X$

$= 174 + 45 + 75 - 9 = 285$

(I) = Business/Residential Investments + Inventory ← Private saving

$= 40 + 5 = 45$

d) $S = Y - C - G = 285 - 174 - 75$

$= 36$

e) $S_g = T - G$

↓ net taxes

(Tax receipts − outlays − purchases) − purchases

(100 − 15) − 75 = transfer payments

f) Investments + Net exports

45 − 9