Function BuyPhoneCost(Answer As String) As Integer

' BuyPhoneCost is a function that returns $50 if the variable Answer is yes and $30 if the variable Answer is no

If Answer = "Yes" Then

BuyPhoneCost = 50

Else

BuyPhoneCost = 30

End If

End Function

Function BuyPhoneCostUsingRange(Answer As String) As Integer

' BuyPhoneCostUsingRange is a function that returns whatever the value in a Cell Range if the variable Answer is yes and the value in a Cell Range if the variable Answer is no

If Answer = "Yes" Then

BuyPhoneCostUsingRange = Range("B5")

Else

BuyPhoneCostUsingRange = Range("B6")

End If

End Function

Function TextPackage(TextPlan As String) As Integer

If TextPlan = "Unlimited" Then

TextPackage = Range("B5")

ElseIf TextPlan = "1000" Then

TextPackage = Range("B6")

Else

TextPackage = Range("B7")

End If

End Function

Function DataPackageAndUnlimitedText(DataPackage As Boolean, UnlimitedText As Boolean) As Integer

If DataPackage = True And UnlimitedText = True Then

DataPackageAndUnlimitedText = Range("B5")

ElseIf DataPackage = True Or UnlimitedText = True Then

DataPackageAndUnlimitedText = Range("B6")

End If

End Function

Function PhonePriceAfterDiscounts(NumberOfPhones As Integer) As Integer

Dim TotalCost As Integer

Dim Counter As Integer

Dim RegularPriceOfPhone As Integer

Dim DiscountPhonesGreaterThan2AndLessThan5 As Double

Dim DiscountPhonesGreaterThan4 As Double

RegularPriceOfPhone = Range("b5")

TotalCost = RegularPriceOfPhone \* NumberOfPhones

DiscountPhonesGreaterThan2AndLessThan5 = Range("b6")

DiscountPhonesGreaterThan4 = Range("b7")

For Counter = 1 To NumberOfPhones

If Counter > 2 And Counter < 5 Then

TotalCost = TotalCost - (RegularPriceOfPhone \* DiscountPhonesGreaterThan2AndLessThan5)

ElseIf Counter > 4 Then

TotalCost = TotalCost - (RegularPriceOfPhone \* DiscountPhonesGreaterThan4)

End If

Next

PhonePriceAfterDiscounts = TotalCost

End Function

Function NPVWithVariableRates(InitialValue As Double, CashFlows As Range, DiscountRates As Range) As Double

Dim NPVTotal As Double

Dim PreviousDiscountRate As Double

Dim Counter As Integer

For Counter = 1 To CashFlows.Count

Dim value(0) As Double

value(0) = CashFlows(1, Counter)

Dim DiscountRate As Double

DiscountRate = (1 + PreviousDiscountRate) \* (1 + DiscountRates(1, Counter)) - 1

NPVTotal = NPVTotal + Application.WorksheetFunction.NPV(DiscountRate, value) 'Application.WorksheetFunction.NPV for 2010 and just NPV for 2007

PreviousDiscountRate = DiscountRate

Next

NPVWithVariableRates = NPVTotal + InitialValue

End Function