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("DataPackageAndUnlimitedTextMessages")

ElseIf DataPackage = True Or UnlimitedText = True Then

DataPackageAndUnlimitedText = Range("DataPackageOrUnlimitedTextMessages")

End If

End Function

Function PhonePriceAfterDiscounts(NumberOfPhones As Integer) As Integer

Dim TotalCost As Integer

Dim Counter As Integer

TotalCost = Range("CostOfPhone") \* NumberOfPhones

For Counter = 1 To NumberOfPhones

If Counter > 2 And Counter < 5 Then

TotalCost = TotalCost - (Range("CostOfPhone") \* Range("DiscountForPhoneThreeAndFour"))

ElseIf Counter > 4 Then

TotalCost = TotalCost - (Range("CostOfPhone") \* Range("DiscountForPhoneFiveAndAbove"))

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 CurrentDiscountRate As Double

CurrentDiscountRate = DiscountRates(1, Counter)

Dim CumulativeDiscountFactor As Double

CumulativeDiscountFactor = ((1 + PreviousDiscountRate) \* (1 + CurrentDiscountRate)) - 1

NPVTotal = NPVTotal + Application.WorksheetFunction.NPV(CumulativeDiscountFactor, CashFlows(1, Counter))

PreviousDiscountRate = CumulativeDiscountFactor

Next

NPVWithVariableRates = NPVTotal + InitialValue

End Function