**Answer Key**

**Chapter 8 - Arrays and Chaos (pg. 310-353)**

A menu command that is checked shows a checkmark at the beginning of the item. A menu item that is enabled can be clicked to generate a Click event. A menu command Enabled property is set to False is dimmed and does not generate a Click event when clicked.

* Lamens terms: in order to use a menu to get input through a Click event, the menu must be Enabled.

Giving two or more menu items the same name creates a menu control array in which all items execute the same event procedures. The items are differentiated within the procedure by the value of the intex parameter sent to the procedure.

* Lamens terms: giving two menus the same name will create a control array. You can either control all items in the control array as one large object, or as individuals by using the index, the number in parenthesis...i.e txtNum(0) txtNum(1)

The Print method is used for displaying text and values directly on a form.

The Select Case statement replaces a series of If-Then statements. Its syntax is:

Select Case expression

Case value1

statements if value1-expression

Case value2

statements if value2-expression

...

Case Else

statements executed if the expression doesn’t match any of the

Values

End Select

An array is a list of values in memory. Arrays have a single variable name that refers to the entire list. A subscript is a whole number that selects a single item from the list.

* Lamens terms: an array is a list, to select a specific item from the list you need to know it’s index value, a whole number.

A non-linear difference equation of the form: p2+r\*p1\*(1-p1) is used as a simple mathematical model for many systems. p1 is the initial state, p2 is the final state, and r is the growth factor.

**Guided Notes**

**Chapter 8 - Arrays and Chaos (pg. 310-353)**

A \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ that is checked shows a checkmark at the beginning of the item. A menu item that is enabled can be clicked to generate a \_\_\_\_\_\_\_\_ event. A menu command whose Enabled property is set to False is dimmed and does not generate a Click event when clicked.

* Lamens terms: in order to use a menu to get input through a Click event, the menu must be \_\_\_\_\_\_\_\_\_\_\_\_.

Giving two or more menu items the same name creates a menu control array in which all items execute the same event procedures. The items are differentiated within the procedure by the value of the intex parameter sent to the procedure.

* Lamens terms: giving two menus the same name will create a \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_. You can either control all items in the control array as one large object, or as individuals by using the index, the number in parenthesis...i.e txtNum(0) txtNum(1)

The \_\_\_\_\_\_\_\_ method is used for displaying text and values directly on a form.

The Select Case statement replaces a series of \_\_\_\_-\_\_\_\_\_\_ statements. Its syntax is:

Select Case expression

Case value1

statements if value1-expression

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statements executed if the expression doesn’t match any of the

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An array is a list of values in \_\_\_\_\_\_\_\_\_\_. Arrays have a single variable name that refers to the entire list. A subscript is a whole number that selects a single item from the list.

* Lamens terms: an array is a list, to select a specific item from the list you need to know it’s index value, a \_\_\_\_\_\_\_\_\_ number.

A non-linear difference equation of the form: p2+r\*p1\*(1-p1) is used as a simple mathematical model for many systems. p1 is the initial state, p2 is the final state, and r is the growth factor.