ICS3U0

Grade 11 Computer and Information Science
Unit 1 - Line/Circle Art Practice Quiz

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*Victim*: _____

APP	TIPS	COM
/10	/5	/5

1. Shown below is a drawing that consists entirely of circles and line segments on a form scaled to 100 units×100 units.

  (a) Before you even consider writing any code, you should sketch a portion of this diagram. Use the grid to sketch *enough lines and circles* to allow you to *spot patterns*. *It is not necessary to sketch all the shapes!* **(5 APP)**

What an easy question Nolfi! Even I could answer it with my eyes closed!

Line/Circle Art Example

Generate Art   Clear   Exit
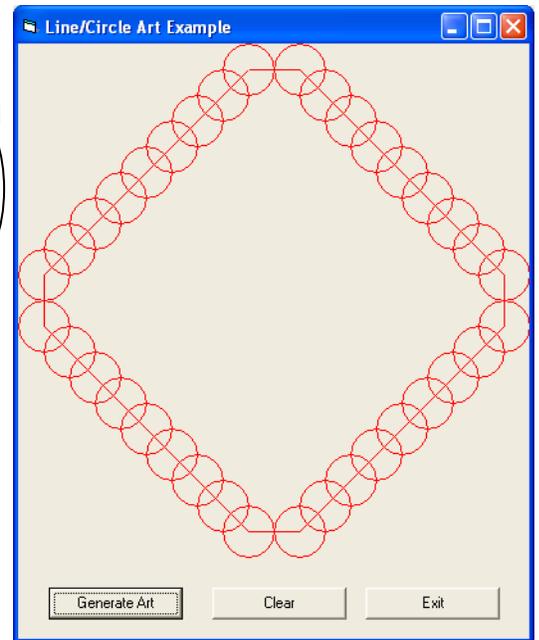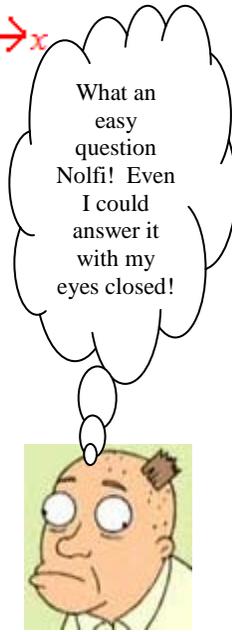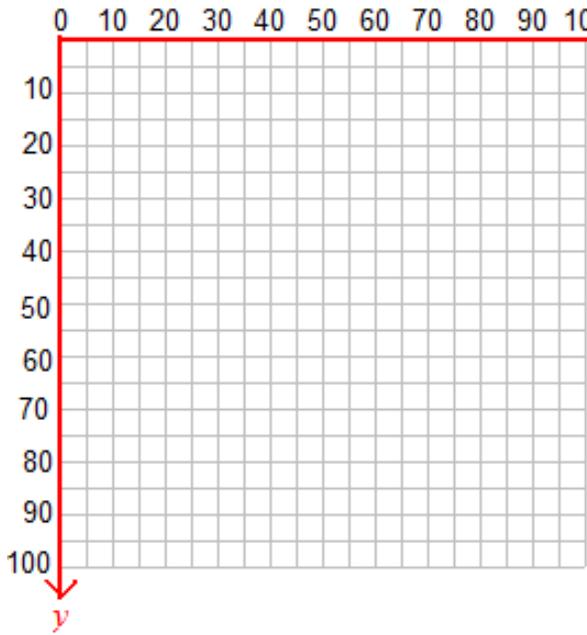
  (b) Now complete the following tables of values. Once again, it is only necessary to include enough points to reveal a pattern! **(5 APP)**

Circles

Centre	Radius

Lines

Start	End

  (c) Now complete the following VB Sub in such a way that it generates the drawing shown above. *Note that you must use a loop whenever possible. In addition, it is critical that you indent the code properly!* **(5 TIPS, 5 COM)**

```
Private Sub cmdDraw_Click()

    'First declare the loop counter variable.
    Dim I As Integer

    'Now write the code that draws all the shapes.
    'You must use loops wherever possible!




End Sub
```


"Being a computer game champion three years running is impressive. But it's not quite the computer experience we're looking for."