na Orbit	
nspection	Period
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Calculating the Position of the things in this world arc, orbit or swing. A baselets, arms and legs to name just a few, these ulae. Given that The center of the swing or axis is located at The distance away from the center or Radiu The distance away from the center or Radiu the angle (in Radians, which we will explain the angle (in Radians, which we angle (in Radians	asse, ball bat, opening doors, storms, see are all explained by simple trig at (X,X), us is R, in later) is A, then: - (R siN(A) + X, R cos(A) + Y) Mote, after you multiply the radius by the sine and cosine, the coordinates of the center. (X Y) have to be added circle can be calculated The starts $0 \text{ or } 2 \Pi$ $0 \text{ or } 2 \Pi$ $0 \text{ or } 2 \Pi$ Give the angel to the sine and cosine functions in π radians. π radians work like degrees they start in a different place. A full circle is 2π instead of 360, Half way
	A document that look like the picture a new page using MS Word. text from the text section below. elp with Word commands, see the re- our final product should look like: Calculating the Position of the third of the swing or axis is located a The center of the swing or axis is located a The distance away from the center or Radi The angle (in Radians, which we will explain the A second

Here is the text; feel free to copy and paste it in: Calculating the Position of an Orbiting Object Many things in this world arc, orbit or swing. A baseball bat, opening doors, storms, planets, arms and legs to name just a few, these are all explained by simple trig formulae. Given that: The center of the swing or axis is located at (X, Y), The distance away from the center or Radius is R, The angle (in Radians, which we will explain later) is A, then: The X,Y coordinates of any point on the circle can be calculated QB Programming examples: Starting the angle at zero starts your object here. REM SPOKES OF A WHEEL SCREEN 12 0 or 2 ã R=100 FOR A=0 TO 3.14159*2 STEP .1 LINE (320, 240) - (R*SIN(A) + 320, R*COS(A) + 240) NEXT A REM SPIRAL SCREEN 12 CYCLES=15FOR A=0 TO 3.14159*2*CYCLES STEP .01 R=R+.01 PSET (R*SIN (A) +320, R*COS (A) +240) NEXT A 1 « ã Give the angel to the sine and cosine functions in ã radians. ã radians work like degrees they start in a different place. A full circle is 2ã instead of 360. Half way around is ã instead of 180. «ã is 90, and so on. Please do not forget that ã is 3.14159.

Notes

Text Box

- 1. Insert
- 2. Text box
- 3. Draw text box

Text box without lines

- 1. Click box
- 2. Right click on a box handle
- 3. Format text box
- 4. Colors and lines
- 5. Line
- 6. No color

Delete text boxes or shapes

- 1. Click
- 2. Right click on a box handle
- 3. Cut

Symbols and foreign lettering

- 1. Insert
- 2. Ω Symbol \checkmark
- 3. More symbols
- 4. Font 🎽

Auto Shapes

- 1. Insert
- 2. Shapes 🔻
- **3.** Choose shape
- 4. Drag + across shape location

Change shape color and thickness

- 1. Right click shape
- 2. Format auto shape
- 3. Colors and lines

Rotate shape

- 1. Click shape
- 2. Drag green circle above shape

Repositioning arrow and line shapes

- 1. Click shape
- 2. Drag circle at either end of shape