 Province of the

EASTERN CAPE

EDUCATION

**DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)**

**HOME SCHOOLING SELF-STUDY WORKSHEET ANSWER SHEET**

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| **SUBJECT** | INFORMATION TECHNOLOGY PRACTICAL | **GRADE** | 10 | **DATE** | 11 May to 15 May 2020 |
| **TOPIC** | Revision – Basics of Delphi | **TERM 1****REVISION** | (Please tick) | **TERM 2 CONTENT** | ✓ |
| **TIME ALLOCATION** | 2hr | **TIPS TO KEEP HEALTHY**1. **WASH YOUR HANDS** thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%.2. **PRACTISE SOCIAL DISTANCING** – keep a distance of 1m away from other people.3. **PRACTISE GOOD RESPIRATORY HYGIENE**: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use.4. **TRY NOT TO TOUCH YOUR FACE.** The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. 5. **STAY AT HOME.**  |
| **INSTRUCTIONS** | Resources used// Most of this week’s work is taken from the New DBE book chapter 5* Information Technology Practical Book Grade 10 Practical, DBE
* Past Exam Papers

Answer all questions |
|  | Solution to the activityunit BuiltinFunc\_u;interfaceuses Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms, Dialogs, StdCtrls, ExtCtrls;type Tfrmbifunc = class(TForm) Label1: TLabel; edtname: TEdit; lblname: TLabel; edtnumber: TEdit; pnldisplay: TPanel; btnsquare: TButton; btnfrac: TButton; btnnamelength: TButton; btncapital: TButton; lblsquareanswer: TLabel; lblfracanswer: TLabel; lbllengthanswer: TLabel; lblnameinCAPS: TLabel; procedure btnsquareClick(Sender: TObject); procedure FormActivate(Sender: TObject); procedure btnfracClick(Sender: TObject); procedure btnnamelengthClick(Sender: TObject); procedure btncapitalClick(Sender: TObject); private { Private declarations } public rnumber, ranswer : real; sname : string; { Public declarations } end;var frmbifunc: Tfrmbifunc;implementation{$R \*.dfm}procedure Tfrmbifunc.btncapitalClick(Sender: TObject);begin sname := edtname.Text; lblnameinCAPS.Caption := uppercase(sname);end;procedure Tfrmbifunc.btnfracClick(Sender: TObject);begin rnumber := strtofloat(edtnumber.Text); ranswer := frac(rnumber); lblfracanswer.Caption := floattostrf(ranswer,fffixed,5,2);end;procedure Tfrmbifunc.btnnamelengthClick(Sender: TObject);var ianswer : integer;begin sname := edtname.Text; ianswer := length(sname); lbllengthanswer.Caption := inttostr(ianswer);end;procedure Tfrmbifunc.btnsquareClick(Sender: TObject);begin rnumber := strtofloat(edtnumber.Text); ranswer := sqr(rnumber); lblsquareanswer.Caption := floattostrf(ranswer,fffixed,5,2);end;procedure Tfrmbifunc.FormActivate(Sender: TObject);begin edtname.Clear; edtnumber.Clear; edtname.SetFocus;end;end. |