 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 activity  unit BuiltinFunc\_u;  interface  uses  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. | | | | |