a) Fragment 1 - logic poradign because et contains a series of statements and then a Statement musing parts - the logic pa Paradium is the to use the earler Statement to Johne the first one Fragment 2 - Junctional parachign - this tragment Conturns Functions - here turchond paraduge and is masing the characterst I the other paraeligns

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copes with much larger amounts of (6)information unlike Basic or (060) etc. Comes closer to plain speech unlike early generation languages 2 deals with programs that respond to events as with a GUI stores modules of data "08JECTS" that can be updated without updating the rest of the program like a "black box", an object can 2 be unknown but still used by a program & programmer

Centre Number: Student Number: BOARD OF STUDIES c) (i) Instructurgle height has no initial value, se it is not so or <0 so the program does not begin the loop and therefore does not function. This could be solved by giving the Inst Rectangle height an a value before the loop begins or by making the loop a post-test rather than pretest height, base : integer (1) function area integer function Triangle area: integer begin area:= (height * base # 2) end

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D The programming paradigm which I would choose to develop the system below would be that of the object orientated Paradiam (oop). It would be suitable for this scenario for the Sollowing reasons: . The system to be developed does not require complex mathematical problem as the Sonational paradigm class. . There is not an extensive list of concepts which need to be determined by the system thus there is no heavy processing required The system to be developed needs to be as user griendly as possible that the emphasis on the Gui (Graphical User InterSace) · Programming of the system needs to be as simplistic as possible enabling programmers to recolily identify & Six errors as they occur. . The system will most likely be needed to be linked to a database detailing flight schedules. Oop enables this to be done efficiently & effictively This apparach could be used to design & develop the now system quickly on a small scale budget.