Aberdare Community School

Mathematics Department

WJEC GCSE

Higher – Calculator

Number

Timetables

Name: ....

Set: ....

Date: ....

Teacher: ....

6. Helen and James are travelling by plane from London to Los Angeles.

They see the following information when they arrive at the airport on Tuesday.

Current Day and Time	
LONDON	LOS ANGELES
Tuesday 15:40	Tuesday 07:40

Their flight leaves in two and a half hours' time.
The flight time between London and Los Angeles is 11 hours and 20 minutes.

Give the time and the day in Los Angeles when they land.

....

....

....

....

....

....

....

....
[4]

7. Carol's telephone answering machine has not been set to the correct time.
She returns home on a Saturday after being away since the previous Monday.
The following new message is on the answering machine.

"It's me, Bryn, please call me",
                followed by,
                            "This person called on Wednesday at 6:24 a.m."

In order to check when the call was actually made, Carol phoned her house number using her mobile phone. She did not answer the house phone but left a message.
When the answering machine was now played it gave the following message.

"Hello myself, it is now Saturday and the time is 5:40 p.m.",
                followed by,
                            "This person called on Thursday at 10:30 a.m."

Showing your strategy, work out what the actual day and time were when Bryn phoned.

....

....

....

....

....

....

....

....

....

....

....

....

[5]

© WJEC CBAC Ltd.   (4351-02)   **Turn over.**

3. Miriam is planning a holiday in Pakistan.

(b) Miriam knows that when it is 1p.m. in London it is 6p.m. local time in Karachi, Pakistan.
Miriam is booked onto a flight leaving London on Tuesday at 13:50.
The flight time is 7 hours 51 minutes.

  (i)   On which day and at what local time should Miriam land in Karachi?

....

....

....

....

....

Day ....   Landing time ....

[4]

(ii)   *You will be assessed on the quality of your written communication in this part of the question.*

Miriam's flight actually arrived 7 hours 45 minutes after departure.
The aeroplane flying speed between London and Karachi was 434 knots.
Given that 1 knot is 1·85 km/h, calculate the flying distance between London and Karachi.
Give your answer in kilometres.

....

....

....

....

....

....

....

....

....

....

....

....

[7]

Turn over.