6	(a)	This stem and leaf diagram shows the times it took students in class 11S to get from home
		to school one day.

0	3	5	7	9				
1	1	1	2	2	3	5	6	8
2	1	4	4	4	9			
3	0	1	4	8				
4	1	7						
						17		

Key: 3 1 = 31 minutes

(i)	What was	the time	for the	longest	journey	y?
-----	----------	----------	---------	---------	---------	----

(iii) How many students were there in the class?

ARRES &	
(HH)	

(b) In class 7P, the probability that a student takes 10 minutes or more to get to school is 0-8.

What is the probability that a student in class 7P takes less than 10 minutes to get to school?



7	(a)	Sim	plify.

$$5 \times p \times p \times p$$

4-1	i i	1
28 }	 1	ı

(b) Factorise.

$$6c + 3d$$

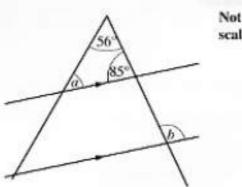
(b)		ı	IJ
	2		

Calculate.

$$\frac{3.42 \times 4.2}{3.8^4}$$

Give your answer correct to 3 decimal places.

 	******		- 1
		[2]	



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5	¢	2	ı	Ľ	

Find angles a and b, giving your reasons.

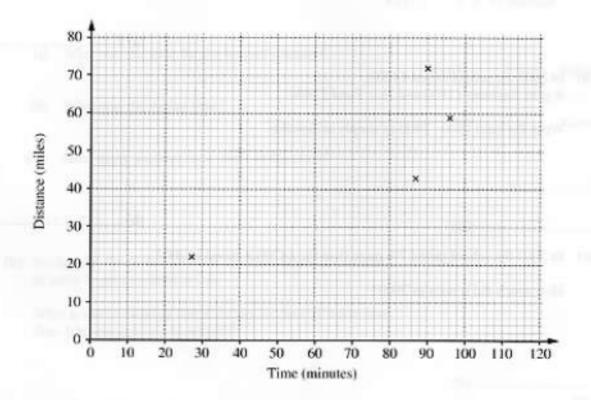
a =	because
	[2]
b =	because
	[2]



10 (a) Here are the times and distances for 8 people who travelled by car to a meeting.

Time (minutes)	90	87	27	96	114	60	45	36
Distance (miles)	72	43	22	59	20	48	30	17

Complete the scatter diagram to show this information. The first 4 points have been plotted for you.



Eddie arrived late because of an accident on the motorway.

Circle the point most likely to represent Eddie's journey.

[1]

[2]

(b) Jill also went to the meeting.

The mileage display in her car had these readings.

Start of journey 15672 End of journey 15758

Her journey took 2 hours 30 minutes.

Calculate her average speed.

(b)miles per hour [3]

1	Seat	on School raises funds to give to charity.	-	
	(a)	In 2001 it gave money to GOSH and Help the Aged. GOSH was given twice as much as Help the Aged. GOSH was given £1750.		
		How much did the school raise altogether for charity in 2001?		
			(a) £	[2
	(b)	In 2002 the school raised £4200. It gave Sustrans £1800 and Tear Fund £2400.		
		Write the ratio 1800: 2400 as simply as possible.		
			(b):	[2
	(c)	In 2003 the school raised 7% more than the £4200 it raised in 2002.		-
		How much did it raise in 2003?		
			(c) £	
				7