man sham

Geometry a	and Time Test 2013	Name	Class	
60 [59 Marks]				
1. a) b) c)	Using the line shown below as the backet it as ABC using 3 point notation state the type of angle it is.	ase draw an angle c n	of 55°	[1] [1]
	A		ABC is <u>Acute</u>	[1]
	/c			
	B B		A-	
	"			

2. Complete the table below by putting in X's where appropriate to describe the quadrilaterals named. The first one has been done for you.

Quadrilateral	All angles equal	1 pair of parallel sides	All sides equal	2 pairs of parallel sides
Rectangle	X			X
Square	X			X
Trapezium		× -		
Parallelogram			****	
Rhombus				×

3. Fill in the missing words in the sentence below.

A regular polygon has <u>equal sides</u> and <u>equal enales</u>

4. Fill in the table below.

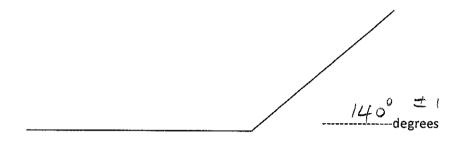
Number of sides
1
10
6 sides
7 sides
9 sides

[5]

[4]

- 5.
- a) Measure the angle shown and write its value in the space given.

[1]



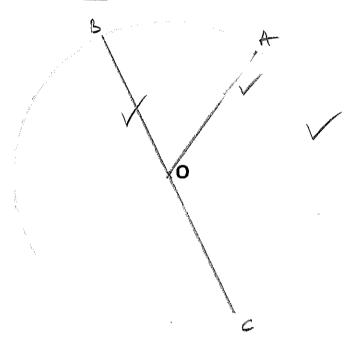
b) Name the type of angle.

obtuse [1]

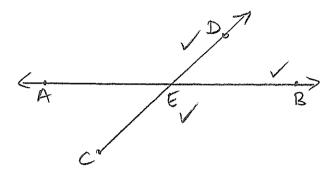
- 6. a) In the space below draw a circle with a radius of 4cm.

 The centre of the circle is already marked with an x and labeled O for you.
 - b) Draw in a radius and label it AO
 - c) Draw in a <u>diameter</u> and label it BC

[3]

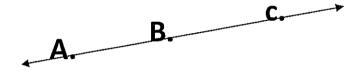


- 7. In the space below using the correct notation and markings
 - a) draw a line \overrightarrow{AB} that intersects with a ray \overrightarrow{CD} .
 - b) Mark the intersection of the line and the ray as E

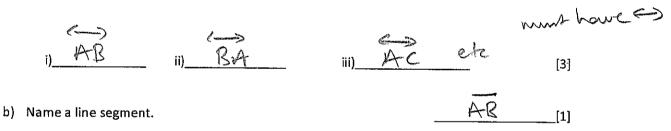


[3]

8. From the line drawn below:



a) Give 3 different names for the line shown below. Make sure to use the correct notation.

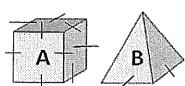


- 10. Guess the shape I have from the clues given.
 - a) 7 faces
 - b) 10 vertices
 - c) 15 edges

or pentagonal prism[1]
pentagon bartal prism

11.

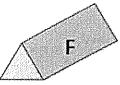
a) Name each of the 3D figures shown below.











A= Cube

C=_______

E= Sphaere

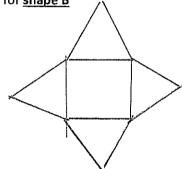
B= Square honed pyamid

D= grander

F= triangular bared[6]

Mamid

b) Draw net for shape B



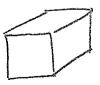
How many vertices, edges and faces does shape F have?

Vertices	6	[1]
	0	

Edges______[1]

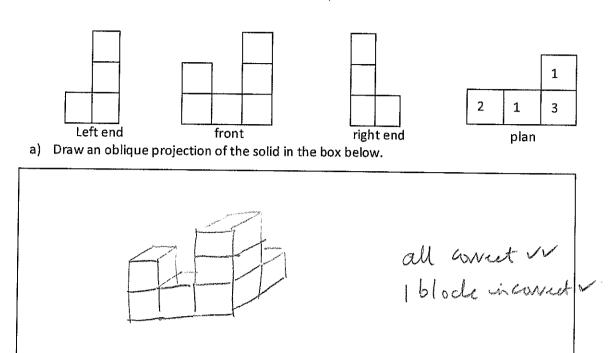
Faces [1]

d) Draw an <u>oblique</u> projection of <u>shape A</u> in the space below.

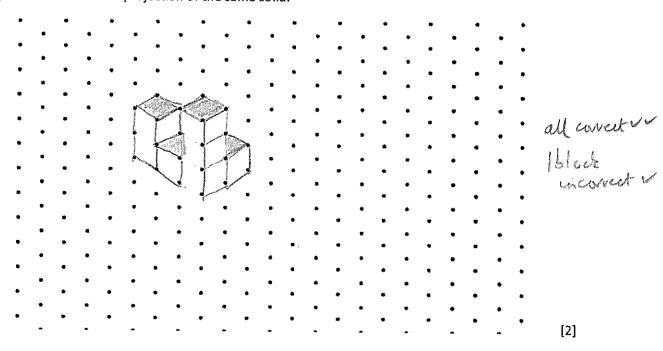


[1]

12. Below is the plan, front and end elevations of a shape made from cubes.



b) Draw an isometric projection of the same solid.



[2]

13. Complete the table below putting in the missing times.

12 hour time	24 hour time
3.15 pm	15.15
6.37pm	18.37
Dollan	0012
12.09pm	1200

[4]

- 14. A student has her first class at 8.30 am. Her bus normally picks her up by 8.10 am and it usually takes 15 minutes in the bus and then a 3 minute walk from the bus stop to school.
 - a) How many minutes early will she be if everything goes according to schedule?

b) If the bus is 11 minutes late, what time will she arrive at school?

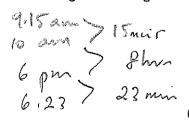
15. Convert the left column to the units given in the right column:

42 days	6	weeks
120 hours	5	days
June	43200	minutes
1 Leap year	36-6	days
1 century	100	years

[5]

16. Jono drives from Auckland to Wellington. He leaves Auckland at 9.15 am and arrives in Wellington at 6.23pm.

How long did he take to get to Wellington?





17. Answer the question using the timetable below for trains in Wellington.

a)	How many <u>minutes</u> does it take	the 5.50 am train from	Wellington Sta	tion to get to Pr	omare
	Station?	7	_	•	

5.50 > 31 min

31 mir [1]

b) What do you think NS means on the timetable?

wan stop [1]

c) If you need to get to Naenae Station by 7.45am, what is the time of the latest train you can catch from Petone Station?

7.20an [1]

	12/20/20/20	OF THE CONTRACT OF SAME																
Services:	HVL	, IM	HIVE	hivi	HV	HVI	AVL	1W	нуд	FIVE	1000	HŲ	HVI	iiVi.	livi	HVi	HVL	иілі
Wellington Station Stop: WELL Fate Zone: 1	5:45 am NS	5:50 am	6:05 am NS	6:10 am	6:30 am NS	6:44 am NS	6:46 am	7:05 am N3	7:08 am*	7:25 am NS	7:37 am	7:45 am NG	8:05 am	8:35 am	9:05 am op	9:35 am OP	19:05 am op	10:35 am OP
Kaiwharawhara Station Slop: KAIW Fare Zone: 1		5:54 am		6:14 am			6:50 am		7:12 2m		7:41 am		8:09 am	8:39 am	9:09 an op	9:39 am OP	10:09 am or	10:39 am OP
Ngauranga Station Slop: NGAU Fare Zone: 1		5:57 am		5:17 តមា			6:53 am		7:15 am		7:44 am		8:12 am	8:42 am	9:12 am op	9:42 am op	10:12 am op	10:42 am OP
Petone Station Stop: PETO Fare Zone: 4		6:02 am		6:22 am			6:58 am		7:20 am "		7:49 am		8:17 am	8:47 am	9:17 am op	9:47 am OP	10:17 am op	19:47 am OP
Ava Station Stop: AVA Fare Zone: 4	• •	6:04 am		8:24 am			7:00 am	•	7:22 am		7:51 am		8:19 am	8:49 am	9:19 am op	9:49 am OP	10:19 am of	10:49 am
Woburn Station Stop: WOBU Fare Zone: 4		6:07 am		6.27 am			7:93 am		7:25 am		7:54 am		8:22 am	8:52 am	9.22 am op	9:52 am OP	10:22 am op	18:52 am op
Waterloo Station Step: WATE Fare Zone: 4		6:10 तहा		6:30 am			7:06 am		7:28 am		7:57 am		8:25 am	8:55 am	9:25 am op	9:55 am OP	10:25 am op	10:55 am GP
Epuni Station Step: EPUN Fare Zone: 5		5.12 am		6:32 are			7:G8 am		7:30 am		7:59 am		8:27 am	8:57 am	9:27 am op	9:57 am OP	10.27 am 62	10:57 am
Naenae Station Stop: NAEN Fare Zone: 5		6:14 əm		6:34 ara			7:10 am		7:32 am		8:01 am		8:29 am	8:59 am	9,29 ans OP	9:59 am OP	10:29 am OF	10:59 am
Wingste Station Stop: WING Fare Zone: 5		6:16 am		6:36 am		•	7:12 am	٠	7:34 am		8:93 am		3:31 an	9:01 am	9:31 am OP	10:01 am OP	10:31 am OF	11:01 am OP
Taita Station Stop. TAIT Fare Zone: 5	6:10 am NS	6:19 2m	6:30 am NS	6:39 am	6:55 am NS	7:09 am KS	7:15 am	7:38 am 143	7:37 am	7:50 am NS	80;8 ans	8:18 am NS	8:34 am	9:04 am	9:34 am op	10:04 am OP	19:34 am	11:04 am OP
Pomare Station Stop: POMA Fare Zone: 5	•	6:21 am		6:41 am			7:17 am		7:39 am	٠	80:3 am		3:36 am	9:05 am	9:36 am OP	10:06 am	10:35 am OF	11:06 am

