# **Carlingford High School**



# **Mathematics**

Year 10 (5.1)

**Yearly Exam** 

2018

Student Number: \_\_\_\_\_

Time allowed: 90 minutes

- Approved calculators allowed
- Answer all questions in the spaces provided
- All questions are worth 1 mark unless otherwise stated
- Complete the examination in blue or black pen
- Draw diagrams using pencil and a ruler

## **Marking Record**

Strand	Question	Topic	Mark
	1	Linear Relationships	. /9
	2	Simple and Compound Interest	/5
Number and Algebra	3	Algebraic Expressions	/25
, 11,500. u	4	Equations and Inequations	/6
	5	Number Plane Graphs	/3
	6	Rates and Ratios	/11
Measurement	7	Area and Surface Area	/13
and Geometry	8	Trigonometry	/9
	9	Congruent and Similar Figures	/14
Statistics and Probability	10	Data Analysis	/7
Tobublity	11	Probability	/10
		Total Mark	/112

- (a) Complete each table for the given equation.
  - (i) y = x 3

	Х	0	1	2
ĺ	у			

(ii) y = 7x + 1

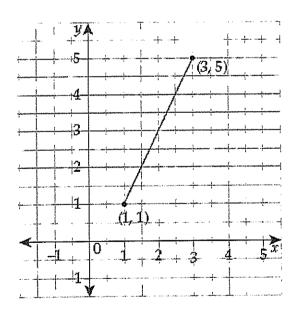
х	-1	0	1
у			

(b) Which equation matches this table of values?

Х	-1	0	1	2
У	2	0	-2	-4

- A. y = 2x
- B. y = -2x
- C. y = x + 3
- D. y = 2x + 3

(c)



(i) Use Pythagoras' Theorem to find the length of this line.

$$c^2 = 2^2 + \underline{\hspace{1cm}}^2$$

c = (correct to 1 decimal place)

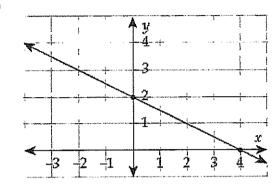
(ii) Complete the working to find the gradient of the line in (i).

$$y = \frac{Rise}{Run}$$

· = \_\_\_\_\_

[3 marks]

(d)



For the above line, find the *x*-intercept.

(e) x = 5 is a horizontal line. True or False?

(f) Which equation represents a line with gradient -3 and y-intercept 1.

A. 
$$y = x - 3$$

B. 
$$y = -3 + x$$

C. 
$$y = 3x - 1$$

D. 
$$y = -3x + 1$$

(a) Use $I = PRN$ to calculate the simple interest on \$800 at 2.5% for 3 years.
Interest =
(b) A new car cost \$38 000. Herbie buys the car on the following terms:
5% deposit plus repayments of \$740 each month for 5 years.
(i) Deposit =
(ii) Repayments =
(iii) How much <u>interest</u> did Herbie pay?
Interest =
[3marks]
(c) Use the formula $A = P(1+r)^n$ to find the value of $A$ , if \$5000 is invested at $5\%p.a$ . for 5 years.  (Write your answer correct to the nearest cent)
A =

### **Question 3**

- (a) is each statement true or false?
  - (i) The difference between 3x and 4 is 3x 4.
  - (ii) Twice k plus 1 is  $k^2 + 1$ .
  - (iii) The product of 2y and 3y is  $5y^2$ .

[3 marks]

- (b) Given that g = -2 and h = 5, find the value of:
  - (i) g+h
  - (ii) 3h-g
  - (iii)  $3g^2$  [3 marks]
- (c) Simplify each expression.
  - (i) 2m + m 1 =\_\_\_\_\_
  - (ii) 6gh 4hg =\_\_\_\_\_
  - (iii)  $6c \times (-3c) =$
- (d) Expand each expression.
  - (i) 4(x-2) =\_\_\_\_\_

(e) Expand and simplify

$$10(a+9) - 5a =$$

[2 marks]

(f) Factorise

(i) 
$$6mn + 4m = 2m(\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$$

(ii) 
$$-k^2 - k =$$
\_\_\_\_\_  $(k +$ \_\_\_\_\_) [2 marks]

(g) Simplify

(i) 
$$e^{12} \div e^3 =$$

(ii) 
$$3f^2 \times 2f^3 =$$

(iii) 
$$(4g^5)^2 =$$
\_\_\_\_\_

(iv) 
$$4h^0 =$$
\_\_\_\_\_\_[4 marks]

- (h) Write 3<sup>-2</sup> as a fraction.
- (i) Round 31 415 to 2 significant figures.

(i) Write each number in scientific notation.

(i) 
$$16\,000\,000 = 1.6 \times 10$$

[2 marks]

(k) Calculate  $(1.2 \times 10^3) \times (4.5 \times 10^{-6})$ 

### **Question 4**

Complete each of the following equation steps.

(a) 
$$a + 9 = 15$$

$$a =$$
\_\_\_\_\_\_

(b) 
$$2c - 5 = 21$$

$$2c = \underline{\hspace{1cm}}$$

$$c = \underline{\hspace{1cm}}$$

(c) 
$$5e - 6 = 3e$$

$$= 6$$

$$e = 3$$

(d) 
$$4(g+3) = 20$$
  
 $g+3 =$ \_\_\_\_\_\_

(a) The graph of which of these equations is a parabola?

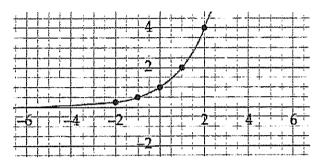
$$A. y = x$$

B. 
$$y = x^2$$

C. 
$$y = 2^x$$

C. 
$$y = 2^x$$
 D.  $x^2 + y^2 = 1$ 

(b)



This is the graph of which of the following equations?

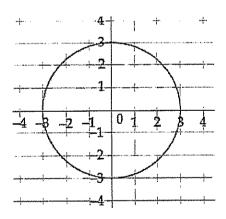
A. 
$$v = x$$

A. 
$$y = x$$
 B.  $y = x^2$ 

C. 
$$v = 2^{x}$$

C. 
$$y = 2^x$$
 D.  $x^2 + y^2 = 1$ 

(c)



This is the graph of which of the following equations?

$$A. y = x$$

B. 
$$y = x^2$$

C. 
$$y = 2^x$$

$$D. x^2 + y^2 = 9$$

#### **Question 6**

(a) Complete each equivalent ratio.

(ii) 
$$\frac{9}{2}$$
: \_\_\_\_ = 18:4

[2 marks]

(b) Simplify each ratio.

(c) The ratio of boys to girls in a class is 5: 3. If there are 15 boys in the class

(i)	) H	ow	many	girls	are	there	;
-----	-----	----	------	-------	-----	-------	---

(ii)	How mar	ny students are there	in the class?
	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		[2 marks]

- (d) Benji is paid \$539 for working 35 hours most weeks.
  - (i) What is his hourly rate of pay?

Rate of pay = \_\_\_\_\_ /hour

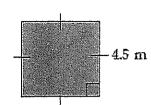
(ii) How much would he earn if he works a 40 hour week?

(iii) How many hours will he need to work to	Question 7
earn \$354.20?	(a) Find the perimeter of this shape.
[3 marks]	11 15.6
(e) In a school zone, cars can travel a maximum of 40km/h.	
$D$ $S \times T$	Perimeter = =
How many metres would a car travel in 3 seconds?	(b) Write the circle part that matches the sentence. (You do not need to use all the words, but you do need to spell them correctly)
	Radius Diameter Circumference Arc Sector Quadrant Semicircle Chord Segment Tangent
	(i) A line that touches the outside of the circle once.
	(ii) A fraction of the circle's circumference.
	(iii) An interval from one edge of a circle to another edge, not through the centre.
	[3 marks]
	(c) Use $C = \pi d$ to find the circumference of a circle with diameter 8cm. Write your answer correct to 1 decimal place.

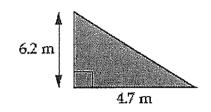
Circumference = \_\_\_\_\_cm

(d) Find the area of each shape.

(i)

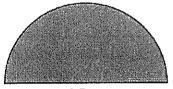


(ii)



Area = \_\_\_\_\_m^2

(iii)



8.5 m

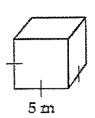
Area = 
$$\frac{1}{2} \times \pi \times r^2$$

$$=\frac{1}{2}\times\pi\times\underline{\hspace{1cm}}^2$$

 $= \underline{\qquad \qquad m^2}$  [4 marks]

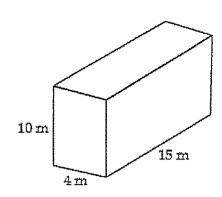
(e) Use the given formula to find the surface area of each prism.

(i)



Surface area =  $6 \times s^2$ 

(ii)



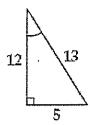
Surface area =  $2 \times (l + b + h)$ (l = length, b = breadth, h = height)

(f) A triangular prism is made up of 5 shapes.

Two \_\_\_\_\_s and

three \_\_\_\_\_s. [2 marks]

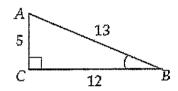
(a)



Hypotenuse = \_\_\_\_\_

Opposite side = \_\_\_\_\_\_[2 marks]

(b)



Use **SohCahToa** to find each of the following fractions.

- (i) sinB =

(c) Solve the following equations to find missing sides, correct to 1 decimal place.

(i) 
$$\cos 40^{\circ} = \frac{x}{20}$$

*x* = \_\_\_\_\_

(ii) 
$$sin 19.5^{\circ} = \frac{8.2}{v}$$

y = \_\_\_\_\_

[2 marks]

(d) Solve the following equations to find the missing angles.

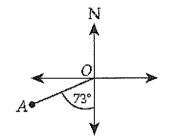
(i) tanA = 3.5 (correct to the nearest degree)

A =

(ii)  $sinB = \frac{45}{80}$  (correct to the nearest minute)

B = \_\_\_\_\_′
[2 marks]

(e)

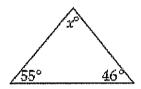


The bearing from O to A can be written as  $S73^{\circ}W$ , or as a three-figure bearing.

The three-figure bearing is \_\_\_\_\_

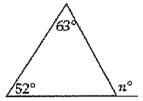
- (a) How many degrees do the angles of a triangle add up to?
  - A. 90°
- B. 180°
- C. 270°
- D. 360°
- (b) Find the value of the pronumeral for each of these triangles.

(i)



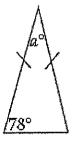
 $x = _{-}$ 

(ii)



 $n = \underline{\hspace{1cm}}$ 

(c) (i)



Find the value of the pronumeral.

a =

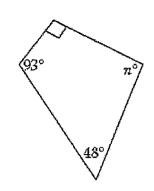
(ii) Complete the reason.

(Angles in an \_\_\_\_\_

[2 marks]

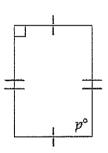
(b) Find the value of the pronumeral for each of these quadrilaterals.

(i)



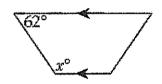
n =

(ii)



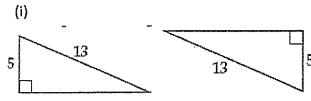
p =

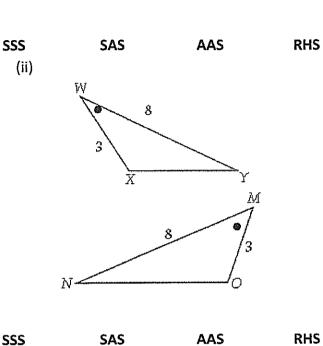
(iii)



x = [3 marks]

(c) Which test proves that these pairs of triangles are congruent? (Circle the correct answer)

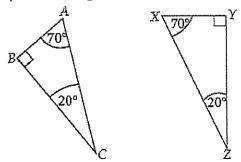




- (d) Which pair of shapes are always similar?
- A. Two triangles
- B. Two rectangles

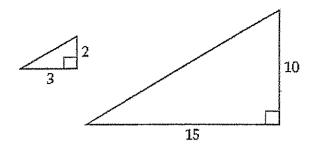
[2 marks]

- C. Two parallelograms
- D. Two squares
- (e) This pair of triangles are similar.



Which side matches BC in ΔΧΥΖ?

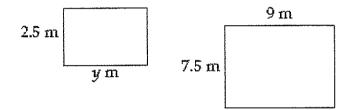
(f)



Find the scale factor for this enlargement.

Scale factor = \_\_\_\_\_

(g) Find the value of the pronumeral for this pair of similar figures.



*y* = \_\_\_\_\_

(a) For the data 3, 4, 4, 7, 9, 12, 12, 12 and 30, find the

(i)	Mode	=	~			

= 10.3 (correct to 1 decimal place)
[3 marks]

(b)

Score	Frequency
3	4
4	12
5	8
6	8

For the scores in this frequency table, find the

Mode = \_\_\_\_\_

Median = \_\_\_\_\_

Relative frequency of 4.

(Write your answer as a decimal)

[3 marks]

(c) Find the range for the scores in this stem-and-leaf plot.

Stem	Lea	af		
4	3			
5	2	6		
6	4	5		
7	3	4	7	
8	1	6	8	9

Range = \_\_\_\_\_\_

#### **Question 11**

(a) When rolling a standard six-sided die, find the probability that the number that comes up is:

(i) 1. \_\_\_\_\_

(ii) Greater than 4.

(iii) A factor of 6. \_\_\_\_\_\_\_\_\_[3 marks]

(b) A packet contains a number of different coloured lollies:

52 red

36 green

12 yellow

One lolly is chosen at random. Calculate the following probabilities.

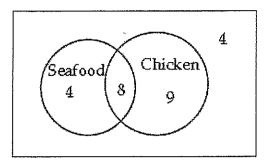
(i) 
$$P(Red) =$$

(ii) 
$$P(Not Red) = \underline{\hspace{1cm}}$$

(iii) 
$$P(Red \ or \ Green) = \underline{\hspace{1cm}}$$

(iv) 
$$P(Blue) =$$
 [4 marks]

(c) A number of students were surveyed to find out whether they liked chicken or seafood. The results are given in the Venn diagram.



- (i) How many students were surveyed?
- (ii) How many students liked seafood and chicken?
- (iii) A student is chosen at random. What is the probability that they don't like chicken or seafood?

[3 marks]

END OF TEST
(Now, go back and check your answers!)



# **Carlingford High School**



# **Mathematics**

Year 10 (5.1) Yearly Exam

2018

Name: ANSWIRS.

Time allowed: 90 minutes

- Approved calculators allowed
- Answer all questions in the spaces provided
- All questions are worth 1 mark unless otherwise stated
- Complete the examination in blue or black pen
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## **Marking Record**

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	1	Linear Relationships	/9
	2	Simple and Compound Interest	/5
Number and Algebra	3	Algebraic Expressions	/25
71180010	4	Equations and Inequations	/6
	5	Number Plane Graphs	/3
	6	Rates and Ratios	/11
Measurement	7	Area and Surface Area	/13
and Geometry	8	Trigonometry	/9
•	9	Congruent and Similar Figures	/14
Statistics and Probability	10	Data Analysis	/7
,	11	Probability	/10
		Total Mark	/112

(a) Complete each table for the given equation.

(i) 
$$y = x - 3$$

X	0	1	2	
V	-3	-2	-1	

(ii) 
$$y = 7x + 1$$

X	-1	0	1	
V	- 6	1	8	

(b) Which equation matches this table of values?

X	-1	0	1	2
V	2	0	-2	-4

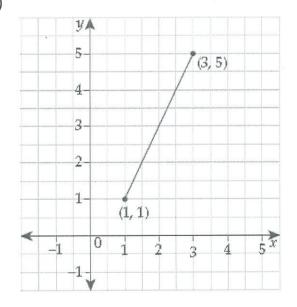
A. 
$$y = 2x$$

B: 
$$y = -2x$$

C. 
$$y = x + 3$$

B. 
$$y = -2x$$
  
D.  $y = 2x + 3$ 

(c)



(i) Use Pythagoras' Theorem to find the length of this line.

$$c^2 = 2^2 + 4^2$$

c = (correct to 1 decimal place)

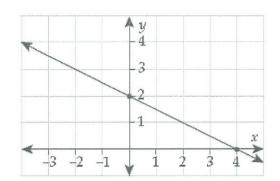
(ii) Complete the working to find the gradient of the line in (i).

$$y = \frac{Rise}{Run}$$

$$y = \frac{4}{2}$$
 or  $2$ 

[3 marks]

(d)



For the above line, find the *x*-intercept.



(e) x = 5 is a horizontal line. True or False?



(f) Which equation represents a line with gradient -3 and y-intercept 1.

A. 
$$y = x - 3$$

C. y = 3x - 1

B. 
$$y = -3 + x$$

(D) 
$$y = -3x + 1$$

(a) Use I=PRN to calculate the simple interest on \$800 at 2.5% for 3 years.

Interest = 800 × 2.5% × 3

(b) A new car cost \$38 000. Herbie buys the car on the following terms:

5% deposit plus repayments of \$740 each month for 5 years.

(i) Deposit = 5 1/6 × 3 ( • • • •

= \$1900 /

- (ii) Repayments = 740 × 12 × 5
- (iii) How much interest did Herbie pay?

Interest =  $\frac{1900 + 44400 - 36000}{5000}$ 

(c) Use the formula  $A = P(1+r)^n$  to find the value of A, if \$5000 is invested at 5%p.a. for 5 years.

(Write your answer correct to the nearest cent)

A= 5000 (1+5%) = \$6381.41

### **Question 3**

- (a) Is each statement true or false?
  - (i) The difference between 3x and 4 is 3x 4.

True

(ii) Twice k plus 1 is  $k^2 + 1$ .

False /

(iii) The product of 2y and 3y is  $5y^2$ .

[3 marks]

(b) Given that g = -2 and h = 5, find the value of:

(ii) 
$$3h - g = \frac{3 \times 5 - 2}{2} = \frac{17}{2}$$

(iii) 
$$3g^2$$
  $3 \times (-2)^2 = 12$  [3 marks]

(c) Simplify each expression.

(ii) 
$$6gh - 4hg = \frac{2gh \text{ or } 2hg}{2hg}$$

(iii) 
$$6c \times (-3c) = \frac{-18c^2}{2}$$

(iv) 
$$24x \div 6x = 24x = 4$$
 [4 marks]

(d) Expand each expression.

(i) 
$$4(x-2) = \frac{1}{2}$$

(ii) 
$$-3(4+y) = \frac{-12 - 3y}{[2 \text{ marks}]}$$

(e) Expand and simplify

$$10(a+9) - 5a = 10a+90 - 5a$$
= 5a + 90

(f) Factorise

(i) 
$$6mn + 4m = 2m(3n + 2)$$

(g) Simplify

(i) 
$$e^{12} \div e^3 =$$

(ii) 
$$3f^2 \times 2f^3 =$$

(iii) 
$$(4g^5)^2 = \frac{1}{9}$$

(iv) 
$$4h^0 =$$
 [4 marks]

- (h) Write  $3^{-2}$  as a fraction.  $3^{-1}$
- (i) Round 31 415 to 2 significant figures.

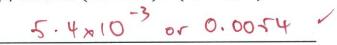
## 31000 /

(j) Write each number in scientific notation.

(i) 
$$16\,000\,000 = 1.6 \times 10$$

(ii) 
$$0.000789 = 7.89 \times 10^{-4}$$
 [2 marks]

(k) Calculate  $(1.2 \times 10^3) \times (4.5 \times 10^{-6})$ 



### **Question 4**

Complete each of the following equation steps.

(b) 
$$2c - 5 = 21$$

$$2c = 2b$$

$$c = 3$$

(d) 
$$4(g+3) = 20$$
  
 $g+3 = 5$ 

(a) The graph of which of these equations is a parabola?

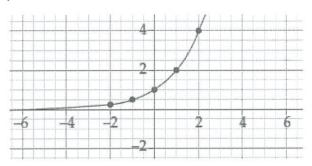
$$A. y = x$$

$$B. y = x^2$$

C. 
$$y = 2^x$$

B. 
$$y = x^2$$
  
D.  $x^2 + y^2 = 1$ 

(b)



This is the graph of which of the following equations?

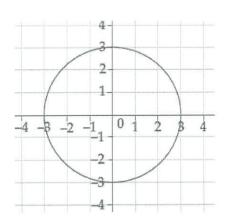
A. 
$$y = x$$

B. 
$$y = x^2$$

$$C.y = 2^x$$

D. 
$$x^2 + y^2 = 1$$

(c)



This is the graph of which of the following equations?

$$A. y = x$$

B. 
$$y = x^2$$

C. 
$$y = 2^x$$

$$D. x^2 + y^2 = 9$$

### Question 6

(a) Complete each equivalent ratio.

(ii)  $\frac{9}{3}$ : \_\_\_\_ = 18:4

[2 marks]

(b) Simplify each ratio.

(iii) 
$$12cm:90mm = 12:9$$

$$= 4:3$$
[3 marks]

(c) The ratio of boys to girls in a class is 5: 3. If there are 15 boys in the class

(i) How many girls are there?

(ii) How many students are there in the class?

(d) Benji is paid \$539 for working 35 hours most weeks.

(i) What is his hourly rate of pay?

Rate of pay = 
$$\frac{539 \div 35}{35} = \frac{15.40}{\text{hour}}$$

(ii) How much would he earn if he works a 40 hour week?

(iii) How many hours will he need to work to earn \$354.20?

(e) In a school zone, cars can travel a maximum of 40km/h.

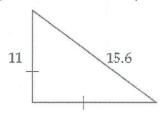


How many metres would a car travel in 3 seconds?

$$D = S \times T = 40000 \times \frac{1}{3100} \times 3$$
= 33.3 m m

### Question 7

(a) Find the perimeter of this shape.



Perimeter = 11 + 11 + 15 - 6

(b) Write the circle part that matches the sentence. (You do not need to use all the words, but you do need to spell them correctly)

Radius

Diameter

Circumference

Arc

Sector

Quadrant

Semicircle

Chord

Segment

Tangent

(i) A line that touches the outside of the circle once.

Tangent /

(ii) A fraction of the circle's circumference.

(iii) An interval from one edge of a circle to another edge, not through the centre.

Chord

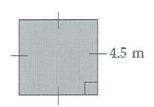
[3 marks]

(c) Use  $C = \pi d$  to find the circumference of a circle with diameter 8cm. Write your answer correct to 1 decimal place.

Circumference =  $\frac{\pi}{2} \times V = \frac{25 - 1}{cm}$ 

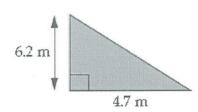
(d) Find the area of each shape.





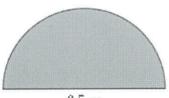
Area =  $4.5^{2} = 20.25$   $m^{2}$ 

(ii)



Area =  $\frac{1}{2} \times 4.7 \times 6.2 = \frac{14.57}{m^2}$ 

(iii)



8.5 m

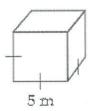
Area = 
$$\frac{1}{2} \times \pi \times r^2$$

$$= \frac{1}{2} \times \pi \times \underline{\qquad \qquad \qquad }^{2}$$

$$= \underline{\qquad \qquad \qquad }^{2}$$
[4 marks]

(e) Use the given formula to find the surface area of each prism.

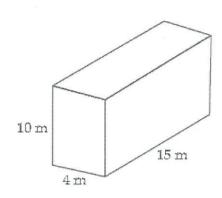
(i)



Surface area =  $6 \times s^2$ 

$$= 6 \times 5^{2} = 150 \quad m^{2}$$

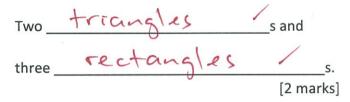
(ii)



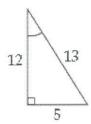
Surface area =  $2 \times (l + b + h)$ (l = length, b = breadth, h = height)

Surface area =  $\frac{2 \times (15 + 4 + 10)}{2 \times (15 + 4 + 10)}$ =  $\frac{m^2}{[2 \text{ marks}]}$ 

(f) A triangular prism is made up of 5 shapes.

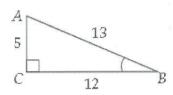


(a)



[2 marks]

(b)



Use **SohCahToa** to find each of the following fractions.

(i)  $sinB = \frac{12}{13}$ (ii)  $tanA = \frac{12}{5}$ [2 marks]

(c) Solve the following equations to find missing sides, correct to 1 decimal place.

(i) 
$$\cos 40^{\circ} = \frac{x}{20}$$

 $x = 20 \cos 40^{\circ}$ = 15-3

(ii) 
$$sin 19.5^{\circ} = \frac{8.2}{y}$$

 $y = \frac{8.2}{\sin 19.5}$ 

[2 marks]

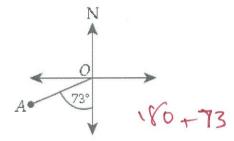
(d) Solve the following equations to find the missing angles.

(i) tanA = 3.5 (correct to the nearest degree)

(ii)  $sinB = \frac{45}{80}$  (correct to the nearest minute)

$$B = \frac{34^{\circ}}{14^{\circ}} \frac{14^{\circ}}{14^{\circ}}$$
 [2 marks]

(e)

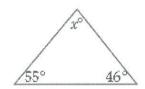


The bearing from O to A can be written as  $S73^{\circ}W$ , or as a three-figure bearing.

The three-figure bearing is  $\frac{2}{5}$ 

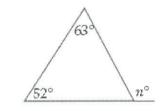
- (a) How many degrees do the angles of a triangle add up to?
  - A. 90° C. 270°
- B. 180°
- (b) Find the value of the pronumeral for each of these triangles.

(i)



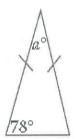
x = 180 - 55 - 46 = 790

(ii)



 $n = 52 + 63 = 115^{\circ}$ 

(c) (i)



Find the value of the pronumeral.

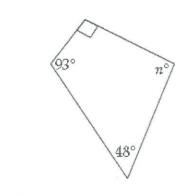
$$a = 180 - 78 - 78 = 24^{\circ}$$

(ii) Complete the reason.

(Angles in an 150 sceles

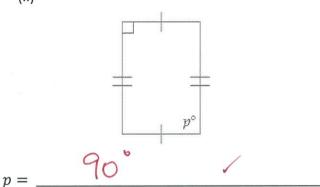
(b) Find the value of the pronumeral for each of these quadrilaterals.

(i)

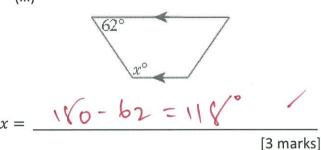


 $n = \frac{360 - 90 - 93 - 48 = 129^{\circ}}{}$ 

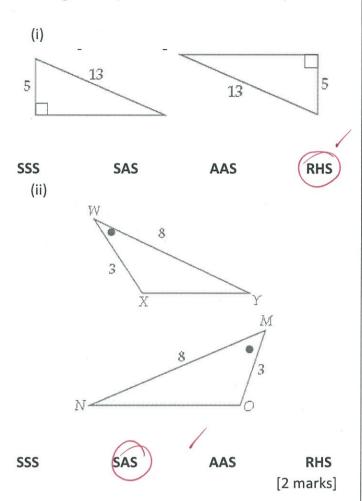
(ii)



(iii)

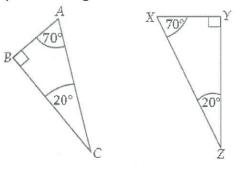


(c) Which test proves that these pairs of triangles are congruent? (Circle the correct answer)



- (d) Which pair of shapes are always similar?
- A. Two triangles
- B. Two rectangles
- C. Two parallelograms
- D. Two squares

(e) This pair of triangles are similar.



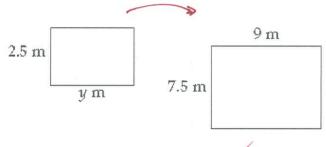
Which side matches BC in  $\Delta XYZ$ ?

(f) ×5 10

Find the scale factor for this enlargement.

Scale factor = \_\_\_\_\_

(g) Find the value of the pronumeral for this pair of similar figures.



$$y = 9 \div 3 = 3$$

(a) For the data 3, 4, 4, 7, 9, 12, 12, 12 and 30, find the

		10	/
(i) Mode:	=	1	

(iii) Mean = 
$$\frac{9}{3}$$
  $\div 9$ 

(b)

Score	Frequency		
3	4		
4	12		
5	8		
6	8		

For the scores in this frequency table, find the

Relative frequency of 4.

(Write your answer as a decimal)

[3 marks

(c) Find the range for the scores in this stem-and-leaf plot.

Ste	m	Leaf			
1	4	3			
	5	2	6		
	6	4	5		
	7	3	4	7	
	8	1	6	8	9

Range = 
$$89 - 43 = 46$$

### Question 11

(a) When rolling a standard six-sided die, find the probability that the number that comes up is:

(b) A packet contains a number of different coloured lollies:

One lolly is chosen at random. Calculate the following probabilities.

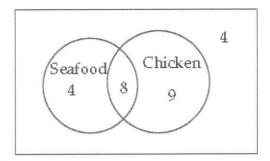
(i) 
$$P(Red) = \frac{52}{13/25}$$

(ii) 
$$P(Not Red) = \frac{4}{100} \text{ or } \frac{12}{2}$$

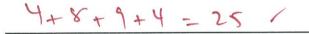
(iii) 
$$P(Red\ or\ Green) = \frac{1}{100} or\ \frac{1}{2}$$

(iv) 
$$P(Blue) =$$
 [4 marks]

(c) A number of students were surveyed to find out whether they liked chicken or seafood. The results are given in the Venn diagram.



(i) How many students were surveyed?



- (ii) How many students liked seafood and chicken?
- (iii) A student is chosen at random. What is the probability that they don't like chicken or seafood?

/25

[3 marks]

END OF TEST
(Now, go back and check your answers!)