

Name:	Date:
Calculate the length of the side marked x in the triangle below.	MTH 416a Silver Outcome 1
x mm	
A cruise ship travels 282 miles over a time period of 9 hours and 24 minutes.	MNU 410a Silver Outcome 3
What was its average speed?	
Share €630 in the ratio of 2:7.	MNU 408a Bronze Outcome 2
5eves	
Rachael scored 79 out of 110 in a recent French test. What was her percentage? Round your	MNU 407a Bronze Outcome 3
answer to the nearest percent!	
Driver 1 has won 7 of his last 18 races. Driver 2 has won 9 of his last 24 races.	MNU 422a Gold Outcome 1
Statistically, who is more likely to win the next race? You MUST give a reason for your answer!	
My score:	



Exam Questions	
Question 1: Solve algebraically the inequality $4p + 3 < 27.$	MTH 415a Bronze Outcome 2
•	MTU 111 Cil O
Question 2: Multiply out the brackets and simplify	MTH 414a Silver Outcome 1
2(4-t)+5t. 2	
Question 3: A wallpaper pattern consists of lines and dots. Shape 2 (a) Complete the table below. Number of dots (D) 1 2 3 4 5 14 Number of lines (L) 3 5 14 (b) Write down a formula for calculating the number of lines (L) when you know the number of dots (D). 2 (c) A pattern has been made using 77 lines. How many dots are in the pattern? 2	MTH 413a Bronze Outcome 1
Question 4: ABCD is a rhombus. Side AB is 7 centimetres and diagonal AC is 12 centimetres as shown. Calculate the size of the shaded angle BAD. Do not use a scale drawing. 4	MTH 416a Silver Outcome 2
Question 5: Factorise $6n + 30$. 2	MTH 414b Bronze Outcome 1
My score:	