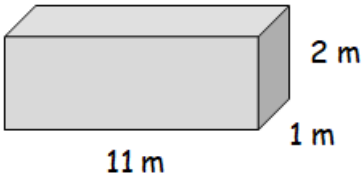
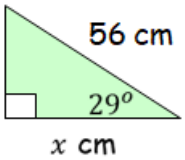
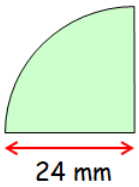
Name:	Date:
1 Calculate $(11 - 2)^2$	MTH 403c Gold Outcome 1
2 Calculate the surface area of this cuboid.  	MTH 411b Silver Outcome 1
3 Calculate the length of the side marked x in the triangle below.  	MTH 416a Bronze Outcome 2
4 Calculate the area of this shape.  	MTH 416b Gold Outcome 2
5 Tower Bridge is 801 feet long. How many centimetres is this?	MNU 411a Silver Outcome 2

Unit	Abbrev.	Metric
inch	in or "	2·54 cm
foot	ft or '	30·48 cm
yard	yd	91·44 cm
mile	mi or m	1·61 km

My score:

Exam Questions

Question 1:

MTH 414a Silver Outcome 1

Multiply out the brackets and simplify

$22a + 5(4 - 3a)$. **2**

Question 2:

MTH 414b Bronze Outcome 1

Factorise $12p - 20$. **2**

Question 3:

MTH 415a Bronze Outcome 2

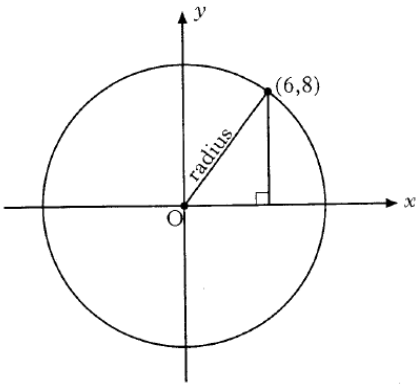
Solve algebraically the inequality

$5x - 12 > 53$. **2**

Question 4:

MTH 416a Bronze Outcome 1

The circle shown below has centre (0,0).
The point (6,8) lies on the circle.



Work out the area of this circle. **4**

Question 5:

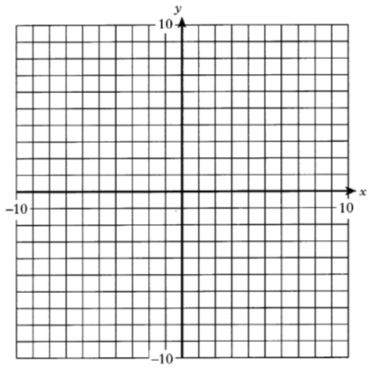
MTH 413d Silver Outcome 1

(*a*) Complete the table below for $y = 2 + 3x$.

x	−3	0	2
y			

2

(*b*) Draw the line $y = 2 + 3x$ on the grid. **2**



My score: