

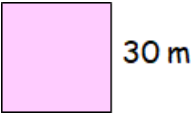


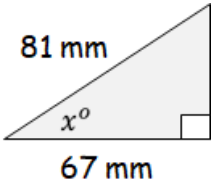



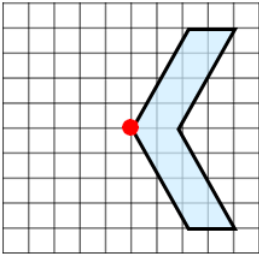




Name:	Date:
<p><b>1</b> Increase 3000 kilograms by 35%.</p> 	<p> MNU 407a Bronze Outcome 2</p>
<p><b>2</b> Calculate the area of this square.</p> 	<p> MNU 411a Bronze Outcome 1</p>
<p><b>3</b> Calculate</p> $16 \div (4 - 2)$	<p> MTH 403c Silver Outcome 1</p>
<p><b>4</b> Calculate the size of the angle marked <math>x</math> in the triangle below.</p> 	<p> MTH 416a Silver Outcome 2</p> 
<p><b>5</b> Complete the shape opposite so that it has rotational symmetry of order 2 around the dot.</p>	<p> MTH 419a Silver Outcome 1</p> 
My score:	



# Exam Questions

Question 1:

Multiply out the brackets and simplify

$$8w + 3(2 - w).$$

2



MTH 414a Silver Outcome 1

Question 2:

Solve algebraically the equation

$$7b - 6 = 3b + 38.$$

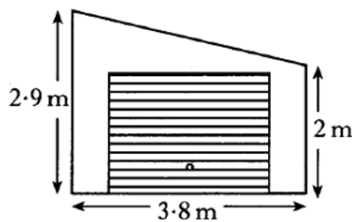
3



MTH 415a Silver Outcome 1

Question 3:

The diagram shows the front view of a garage.



Calculate the length of the sloping edge of the roof.

**Do not use a scale drawing.**

3



MTH 416a Bronze Outcome 1



Question 4:

Here are three number cards.

The numbers are hidden.



The **mode** of the three numbers is 5

The **mean** of the three numbers is 8

What are the three numbers?

Show your working.



You're on your own!

Question 5:

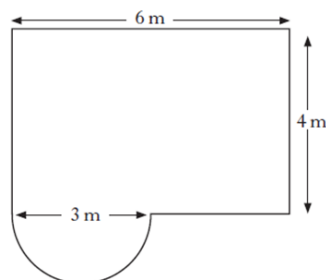
The plan of a patio is shown below.

The patio consists of a rectangle and a semi-circle.

Calculate the area of the patio.

Give your answer correct to the nearest square metre.

5



MTH 416b Gold Outcome 2



My score: