
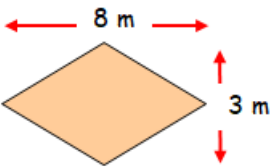

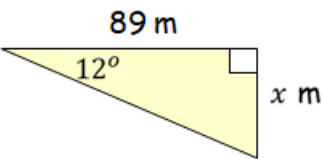


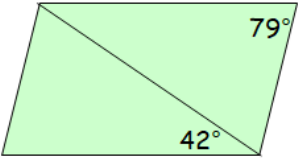








Name:	Date:
<p>1 Find the 'nth' term for the following sequence and hence find the 10th term;</p> <p style="text-align: center;">6, 4, 2, ...</p>	<p> MTH 413a Gold Outcome 1</p>
<p>2 Calculate the area of this rhombus.</p> 	<p> MNU 411a Silver Outcome 1</p>
<p>3 Calculate the length of the side marked x in the triangle below.</p> 	<p> MTH 416a Bronze Outcome 2</p> 
<p>4 Calculate and fill in all the missing angles in this quadrilateral.</p> 	<p> MTH 417a Bronze Outcome 1</p>
<p>5 How far did a school bus travel in 3 hours 12 mins when its average speed during this time was 40 miles per hour?</p> 	<p> MNU 410a Silver Outcome 2</p> 
My score:	



Exam Questions

Question 1:

Solve algebraically the inequality

$$7a + 6 < 69.$$

2

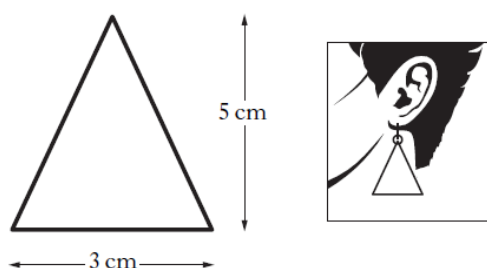


MTH 415a Bronze Outcome 2

Question 2:

An earring in the shape of an isosceles triangle is made from silver wire.

The dimensions of the earring are shown on the diagram below.



Calculate the length of silver wire needed to make a **pair** of earrings.

4

Do not use a scale drawing.



MTH 416a Gold Outcome 1



Question 3:

(a) Complete the table below for $y = 4x - 3$.

x	-1	0	1	3
y			1	

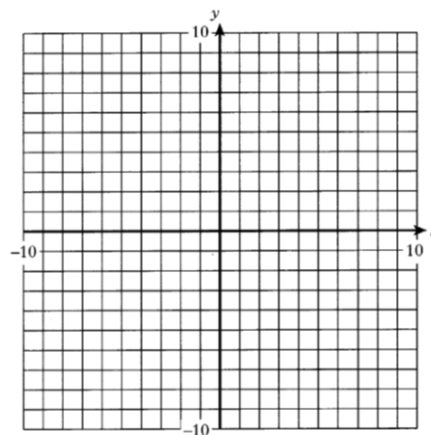
2

(b) Draw the line $y = 4x - 3$ on the grid.

2



MTH 413d Silver Outcome 1



Question 5:

Factorise

$$3x - 12.$$

2



MTH 414b Bronze Outcome 1

My score: