Name:	Date:
Question 1:	E+F 1·2a Gold Outcome 3
Multiply out the following brackets and collect like terms;	
$(x-5)(x^2-9x+2)$	
Question 2:	E+F 1·2b Bronze Outcome 2
Factorise the following expression;	
$b^2 - 144$	
Question 5:	E+F 1·2c Bronze Outcome 1
Express $x^2 + 6x - 5$ in the form $(x + a)^2 + b$.	
Question 4:	APP 1·3a Silver Outcome 1
A police car slowed down to 14 m.p.h.	
This is 80% of it's original speed.	
What was it's original speed?	
Question 5:	REL 1.1c Silver Outcome 2
Solve the following inequality;	
9 - 3x < 15	
My score:	

Exam Questions A A A



Question 1:

Multiply out the brackets and collect like terms.

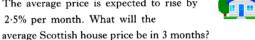
$$(4x+2)(x-5)+3x$$
 3



Æ E+F 1·2a Gold Outcome 2

Question 2:

The average Scottish house price is £77 900. The average price is expected to rise by 2.5% per month. What will the



Give your answer correct to three significant figures.





APP 1.3a Silver Outcome 2

Question 3:

A sports centre charges different entrance fees for adults and children.

- (a) One evening 14 adults and 4 children visited the sports centre. The total collected in entrance fees was £55-00.
 - Let f_x be the adult's entrance fee and f_y be the child's entrance fee. Write down an equation in x and y which represents the above
- (b) The following evening 13 adults and 6 children visited the sports centre. The total collected in entrance fees was £54-50.
 - Write down a second equation in x and y which represents the above
- (c) Calculate the entrance fee for an adult and the entrance fee for a child.



REL 1.1c Gold Outcome 1



Question 4:

Change the subject of the formula $r = \frac{st}{a}$ to s.

Question 5:

Evaluate $\frac{2}{5}$ of $3\frac{1}{2} + \frac{4}{5}$



REL 1.1e Bronze Outcome 2

🔑 You're on your own!

My score: