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

Exam Questions

Question 1:	E+F 1·2a Gold Outcome 2
Multiply out the brackets and collect like terms. $(4x + 2)(x - 5) + 3x$ **3**	

Question 2:	APP 1·3a Silver Outcome 2
The average Scottish house price is £77 900. The average price is expected to rise by 2·5% per month. What will the average Scottish house price be in 3 months? Give your answer correct to three significant figures. **3**	

Question 3:	REL 1·1c Gold Outcome 1
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 £x be the adult's entrance fee and £y be the child's entrance fee. Write down an equation in x and y which represents the above condition. **1** (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 condition. **1** (c) Calculate the entrance fee for an adult and the entrance fee for a child. **4**	

Question 4:	REL 1·1e Bronze Outcome 2
Change the subject of the formula $r = \dfrac{st}{q}$ to s. **2**	

Question 5:	You're on your own!
Evaluate $\dfrac{2}{5}$ of $3\dfrac{1}{2} + \dfrac{4}{5}$ **2**	

My score: