Name:	Date:
Question 1: Factorise the following expression; $3t^2 - t - 10$	E+F 1·2b Gold Outcome 3
Question 2: The temperature increases by 4·2% per hour. The original temperature was 19°C. What was the temperature after 2 hours?	APP 1·3a Silver Outcome 2
Question 3: Multiply out the following brackets and collect like terms; $(x - 6)(x^2 + 8x + 1)$	E+F 1·2a Silver Outcome 3
Question 4: Solve the following equation; $\frac{x}{4} + \frac{x}{2} = 9$	REL 1·1c Gold Outcome 1
Question 5: Change the subject of the formula to T. $c = 7 + eT^2$	REL 1·1e Silver Outcome 2
My score:	

Exam Questions

Question 1:

APP 1·3b Gold Outcome 3

Evaluate $\frac{2}{5} \div 1\frac{1}{10}$. **2**

Question 2:

REL 1·1c Gold Outcome 1

Solve **algebraically** the system of equations

$$3x - 2y = 11$$
$$2x + 5y = 1.$$ **3**

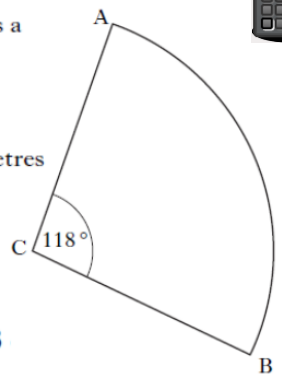
Question 3:

E+F 1·4b Silver Outcome 1

The diagram shows a sector of a circle, centre C.

The radius of the circle is 10·5 centimetres and angle ACB is 118°.

Calculate the length of arc AB. **3**



Question 4:

E+F 1·1a Silver Outcome 1

Express $\sqrt{18} - \sqrt{2} + \sqrt{72}$ as a surd in its simplest form. **3**

Question 5:

You're on your own!

Factorise **fully**

$3x^2 + 9x - 12$. **3**

My score: