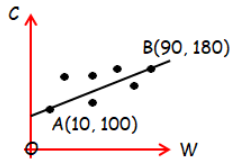
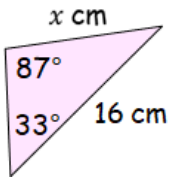
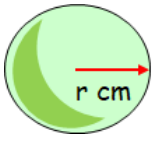
Name:	Date:
Question 1: Solve **algebraically** the system of equations; $3x + 2y = 16$ $5x - 3y = 33$	REL 1·1d Gold Outcome 1
Question 2: Evaluate; $1\frac{4}{7} \div 1\frac{1}{4}$	APP 1·3b Gold Outcome 3
Question 3: Calculate the equation of the line of best fit for the following scatter graph.  Give the equation in it's simplest form.	APP 1·4 Bronze Outcome 3
Question 4: Calculate the missing side in this triangle;  	APP 1·1 Bronze Outcome 2
Question 5: This sphere has a volume of 14 130 cm³.  Calculate it's radius. 	E+F 1·4c Gold Outcome 3
My score:	

Exam Questions

Question 1:

E+F 1·2a Gold Outcome 3

Expand and simplify

$(2x - 5)(x^2 + 3x - 7)$. **3**

Question 2:

APP 1·3a Bronze Outcome 1

The price for Paul's summer holiday is £894·40.

The price includes a 4% booking fee.

What is the price of his holiday without the booking fee? **3**

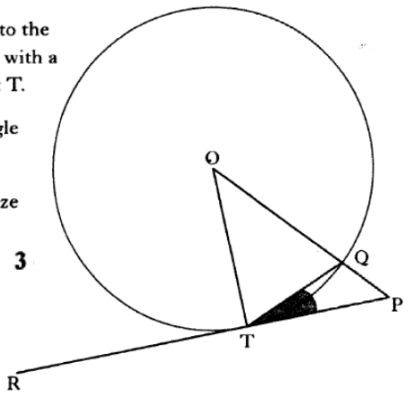
Question 3:

REL 1·4b Gold Outcome 1

RP is a tangent to the circle, centre O, with a point of contact T.

The shaded angle PTQ = 24°.

Calculate the size of angle OPT. **3**



Question 4:

E+F 1·1a Silver Outcome 2

Express $\frac{12}{\sqrt{2}}$ with a rational denominator.

Give your answer in its simplest form. **2**

Question 5:

E+F 1·3 Gold Outcome 2

Express $\frac{4}{x+3} + \frac{3}{x}$, $x \neq -3$, $x \neq 0$,

as a single fraction in its simplest form. **3**

My score: