Name:	Date:
Question 1: Multiply out the following brackets and collect like terms; $(x+3)(x^2+3x+3)$	E+F 1·2a Bronze Outcome 3
Question 2: Solve **algebraically** the system of equations; $3x+2y=16$ $5x-3y=14$	REL 1·1d Gold Outcome 1
Question 3: Write the following in it's simplest index form. $(6e^4)^2$	E+F 1·1b Bronze Outcome 2
Question 4: The roll of a high school was 600 pupils. This number is expected to rise at the rate of 20% for the first year and 8% in the second year. Calculate the roll of the high school after 2 years. 	APP 1·3a Gold Outcome 2
Question 5: Factorise the following expression; $2p^2+11p+14$	E+F 1·2b Gold Outcome 3
My score:	

Exam Questions

Question 1:

Evaluate $\frac{2}{7}(1\frac{3}{4}+\frac{3}{8})$ 2

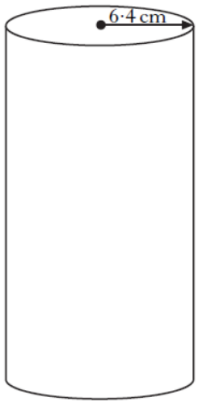
You're on your own!

Question 2:

A cylindrical container has a volume of 3260 cubic centimetres.

The radius of the cross section is 6·4 centimetres.

Calculate the height of the cylinder. 3



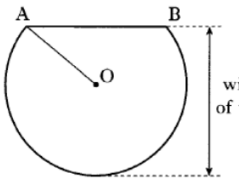
E+F 1·4c Gold Outcome 1

Question 3:

The diagram shows a fold-away table whose top is in the shape of part of a circle.

- The centre of the circle is O.
- AB is a chord of the circle.
- AB is 70 centimetres.
- The radius, OA, is 40 centimetres.

Find the width of the table. 4



REL 1·4a Gold Outcome 1

Question 4:

Solve, algebraically, the inequation

$3x < 6(x-1)-12.$ 3

REL 1·1c Silver Outcome 2

Question 5:

Given that

$f(x) = x^2 + 3,$

(a) evaluate $f(-4)$ 2

(b) find t when $f(t) = 52.$ 2

REL 1·1b Silver Outcome 1

REL 1·1b Silver Outcome 2

My score: