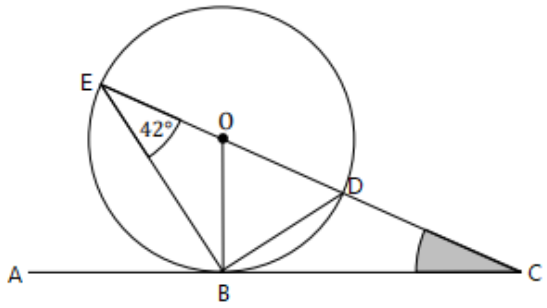
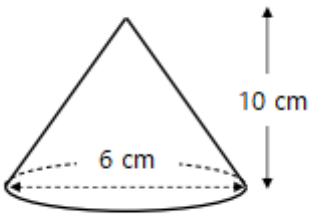
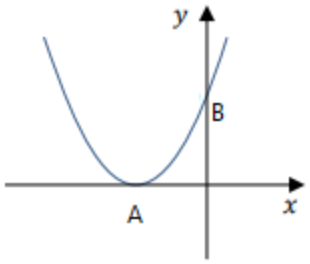
A1	Non Calculator Paper	
1	Evaluate $2\frac{1}{3}+\frac{5}{6}$. Give your answer in the simplest form.	**2**
2	Expand and simplify $(x-4)(x^2-5x+3)$	**3**
3	Given that $f(x)=x^2-5$, evaluate $f(-2)$	**2**
4	Express $x^2-10x+32$ in the form $(x+p)^2+q$	**2**
5	Solve, algebraically, the system of equations $4x+5y=19$ $3x-2y=-3$	**3**
6	The diagram below shows a circle with a centre O.  AC is a tangent to the circle at point B. ED is a diameter of the circle. Angle BEO is $42°$ Calculate the size of angle BCD.	**3**
7	(a) Express r^{-3} with a positive power. (b) Hence or otherwise express $\frac{1}{5r^{-3}}$ with a positive power.	**1** **1**
8	The diagram shows a cone with a diameter of 6 centimetres and a height of 10 centimetres. Calculate the volume of the cone. Take $\boldsymbol{\pi = 3.14}$  	**2**
9	Simplify $\sqrt{20}+\sqrt{125}-\sqrt{5}$	**3**

10	The diagram shows part of a parabola with an equation in the form $y = (x + 5)^2$. Find: (i) The coordinates of point A (ii) The coordinates of point B (iii) The equation of the axis of symmetry.  	**2** **1** **1**
	26 marks	