


20th Feb	
Evaluate $\left(2\frac{1}{4}\right)^{-\frac{3}{2}}$	 Corbettm0ths
The equation $x^2 + 3x - k = 0$ has equal real roots. Find k.	
The points A and B have coordinates (1, 7) and (7, -5). The line L1 passes through AB. The line L2 is perpendicular to AB and passes through (8, 8) Find the coordinates where L1 and L2 intersect	
The 8th term of an arithmetic series is 1630. The 15th term of the same series is 1210. Which term is the first negative term?	
Find the equation of the normal to the curve with equation $y = \frac{x^4 + \sqrt{x}}{x}$ at the point on the curve when $x = 1$	