


9th Jan	
Given $2^y = \frac{1}{8}$ Find y	 CorbettMaths
Given that $16^x = 4^{10-x}$ Find the value of x	
The line l_1 has equation $y = 4x - 10$. The line l_2 has equation $x + y = 20$ The lines l_1 and l_2 intersect at the point C. The lines l_1 and l_2 cross the line $y = 2$ at the points A and B.	Find the area of triangle ABC.
Given that $y = 5x^2 + 7\sqrt{x}, \quad x > 0$	Find $\frac{dy}{dx}$
Find $\frac{d^2y}{dx^2}$	Find $\int y \, dx$