

Name: _____

1. Solve the simultaneous equations $x - 2y = 1$ $x^2 + y^2 = 13$	
2. Find the set of values of x that satisfy $2x^2 - 5x - 7 \leq 0$	
3. Given that $\frac{dy}{dx} = 6x^2 + 2 - \sqrt{x}$ and that when $x = 1, y = 2$, find y in terms of x .	
4. Solve the equation $3\cos x = 2\sin x$ for $0 < x < 360^\circ$	