Name: _____ 5-a-day Further Maths

14th August

Corbettmaths

Factorise fully $x^3 - 64x$	
The curve $y = x^2 - 12x + 37$ has a minimum point at A. Find the coordinates of the point A	
The line $x + y = 9$ and the curve $y = x^2 - 12x + 37$ intersect at the points B and C. Find the coordinates of B and C.	
Show triangle ABC is a right angled triangle.	
Rationalise and simplify $\frac{3\sqrt{2} + 4}{5\sqrt{2} - 7}$	