

Answer on Question #42428 – Math – Analytic Geometry

Rewrite $8(\cos 30^\circ + i \sin 30^\circ) = 8\left(\frac{\sqrt{3}}{2} + i\frac{1}{2}\right) = \frac{8}{2}\sqrt{3} + i\frac{8}{2} = 4\sqrt{3} + 4i = a + bi$, here $a = 4\sqrt{3}$, $b = 4$.