

Chapter 3 / **Example 29****Finding complex roots of a polynomial**

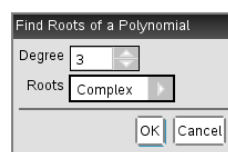
Given that $1+3i$ is a complex zero of the polynomial $f(x) = x^3 - 5x^2 + 16x - 30$, find all the other zeros of f .

Check your answers using a calculator.

Open a new document and add a Calculator page.

Press **menu** 3:Algebra | 3:Polynomial Tools | 1:Find Roots of Polynomial...

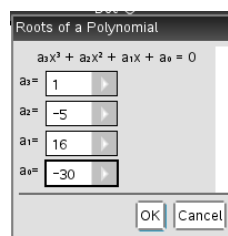
Select degree 3 and Complex roots.



Enter the coefficients: 1, -5, 16 and -30.

Click the touchpad on OK or press **enter**.

Press **enter**.



The calculator shows the roots: $1-3i$, $1+3i$ and 3.

