

Number:

Textbook Section:

Title:

Recall:

1. Form a polynomial with zeros 2 and 3.

2. Form a polynomial with zeros -2 and 1 , with 1 a zero of multiplicity 2.

The Conjugate Pairs Theorem:

3. Find a polynomial equation with real coefficients that has a root of $4 + i$.

4. Form a cubic function with x -intercepts $(1, 0)$, $(-\frac{1}{2}, 0)$ and $(\frac{1}{4}, 0)$ and y -intercept $(0, 2)$.

5. Find a polynomial function with integer coefficients and zeros $1 + 2i$ and 2 with 2 a zero of multiplicity 2 .