**Problem 1** If the complex number 6-3i is a zero of the polynomial p(x), what other number do you know must be a zero of p(x)? 3i+6

**Feedback(attempt):** Remember that if a + bi is a zero, then it's complex conjugate, i.e. a - bi is also a zero. So, to find the other zero, you need to swap the sign in front of the imaginary term.

**Problem 2** If the complex number -7 + 10i is a zero of the polynomial p(x), what other number do you know must be a zero of p(x)? -10i - 7

**Feedback(attempt):** Remember that if a + bi is a zero, then it's complex conjugate, i.e. a - bi is also a zero. So, to find the other zero, you need to swap the sign in front of the imaginary term.

**Problem 3** If the complex number -2+i is a zero of the polynomial p(x), what other number do you know must be a zero of p(x)? -i-2

**Feedback(attempt):** Remember that if a + bi is a zero, then it's complex conjugate, i.e. a - bi is also a zero. So, to find the other zero, you need to swap the sign in front of the imaginary term.

**Problem 4** If the complex number -4-5i is a zero of the polynomial p(x), what other number do you know must be a zero of p(x)? 5i-4

**Feedback(attempt):** Remember that if a + bi is a zero, then it's complex conjugate, i.e. a - bi is also a zero. So, to find the other zero, you need to swap the sign in front of the imaginary term.