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The International School

Class 10 Mathematics – Polynomials Worksheet (Advanced 4)

Name: _____

Date: _____

1. If the sum of zeroes is 8 and product is 15, form the polynomial.
2. Find the polynomial whose zeroes differ by 3 and whose product is 10.
3. Find the zeroes of $x^2-10x+21$ and verify relationships.
4. If one zero of $2x^2-7x+k$ is 2, find the other zero and k.
5. Form a cubic polynomial whose zeroes are -1, 1 and 2.
6. A polynomial $p(x)=x^3-ax^2+bx-6$ has zeroes 1, 2 and 3. Find a and b.