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The International School

## Class 10 Mathematics – Polynomials Worksheet (Advanced 3)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. The area of a rectangle is represented by  $x^2+5x+6$ . Factorise and find dimensions.
2. A square garden has area  $x^2-16$ . Factorise and interpret geometrically.
3. A polynomial has zeroes 3 and -2. Write a real-life situation.
4. A graph cuts the x-axis at -1 and 5. Form a quadratic polynomial.
5. A polynomial touches the x-axis at  $x=2$ . Suggest a suitable polynomial.
6. A cubic polynomial has zeroes -2, 0 and 2. Form the polynomial.