***Polynomial Four in a Row***

*Version 2*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **x2 – 4x + 4** | **2x2 + x – 1** | **x2** | **2x2 + 5x + 3** | **x2 + 4x + 4** | **x2 - 1** |
| **x2 – 2x + 1** | **4x2 + 4x – 3** | **x2 + 3x + 2** | **x2 – 3x + 2** | **2x2 – 5x + 2** | **2x2 – x – 6** |
| **2x2 – 3x + 1** | **x2 – 2x** | **2x2 + 3x** | **2x2 + 5x + 2** | **4x2 – 4x + 1** | **x2 – 4** |
| **4x2 + 4x + 1** | **2x*2* + 7x + 6** | **x2 + 2x** | **2x2 + 3x – 2** | **2x2 – x – 1** | **2x2 + x – 3** |
| **x2 + 2x + 1** | **x*2* + x – 2** | **2x2 – x** | **2x2 + 3x + 1** | **4x2 + 8x + 3** | **2x2 – 3x – 2** |
| **x2 – x – 2** | **2x*2* + x** | **4x2 + 12x + 9** | **x2 – x** | **4x2 – 1** | **x2 + x** |

To play ***Polynomial Four in a Row***, you will need markers of two different shapes or colors and two paper clips. Play begins by the first player placing the two paper clips on any pair of factors along the bottom edge of the game board. The player then places a marker on the square, which is the product of the two factors. The next player is allowed to move exactly **ONE** clip and cover the square, which is the product of the two indicated factors. (Both clips can be placed on the same factor to square that factor.) Play alternates until someone gets four markers in a row, horizontally, vertically, or diagonally.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **2x – 1** | **x – 2** | **x – 1** | **x** | **x + 1** | **x + 2** | **2x + 1** | **2x + 3** |