**In the table are the steps needed to solve 4 equations. Cut out along the lines. You are to place the equations at the top of your desk and arrange the correct steps in a logical order underneath the equation. Work vertically. All pieces must be used. Raise your hand when you are finished and I will check them. Do your own work! Please throw all your scraps in the recycle bin.**

**These are the 4 equations: (They are repeated in the table).**

**X2 +10x+21 = 0 x2 + x =30 8x2 + 4x = 0 x3 + 2x2 – 8x = 0**

|  |  |  |
| --- | --- | --- |
| **X = -7** | **2x = -1** | **X + 6 = 0** |
| **x2 + x -30 = 0** | **X = 0** | **x(x – 4)(x + 2) = 0** |
| **X + 3 = 0** | **(x + 3)(x + 7) = 0** | **X = -1/2** |
| **X = -2** | **X + 7= 0** | **X = 0** |
| **x(x2 + 2x – 8) = 0** | **(x + 6)(x – 5) = 0** | **4x(2x + 1) = 0** |
| **X = -3** | **2x + 1 = 0** | **X = 4** |
| **4x = 0** | **X = 5** | **X + 2 = 0** |
|  **X – 4 = 0** |  **X – 5 = 0** | **X2 +10x+21 = 0** |
| **x2 + x =30** | **8x2 + 4x = 0** | **x3 + 2x2 – 8x = 0** |
| **X = -6** |  |  |