Factor Trinomials Factor the trinomials and find one binomial in the tables below (how to draw it), and one in the puzzle (location to draw). Complete the picture and colour it.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  **-(x+3) (2x+1) (2x–1) (a+1) (2a–1) (x+3) (a–2) (x–4)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **(7a–1) (2x–3) (7a–8) (a–1) (2x+1) (2a+1) (3x+4) (5a+4)**  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  **(x–4)** **(x+9)** **(a–2)** **(2a+5)** **(x+5)** **(7x–1)** **(7a–1)** **(x+3)**  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  **(7x–1) (x+9) (5x–4) (7x–5) (5a+7) (4x–1) (2a–1) (a–1)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  **(x–1) (2a+3) (x+9) (2a+5) (5a+4) (2x–1) (3a–2) (x–1)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **(a–1) (a–2) (3a+1) (6x+11) (4a+1) (x+2) (a+2) (5a+4)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **(2a–1)** **(x+3)** **(2x–1)** **(x+5)** **(5a+4)** **(7a–1)** **(a+1)** **(x–1)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **(a+1)** **(x+9)** **(a+2)** **(x–4)** **(2a+5)** **(x+5)** **(7x–1)** **(2x+1)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  **(x–4) (2a+5) (2a–1) (a+2) (a–2) (x+3) (a–1) (x+5)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| (2x + 3) |  |  | (3a + 4) |  |
| (5a – 7) |  |  | (5a – 2) |  |
| (a – 3) |  |  | (x + 4) |  |
| (a – 9)  |  |  | (x + 1) |  |
| (a + 7) |  |  | (x - 2) |  |
| (2x – 5) |  |  | (x – 3) |  |
| (2x + 5) |  |  | (a + 15) |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 5x2 – 19x + 12 | 3x2 – 2x – 8 | 6x2 + 17x + 11 | 7x2 + 23x – 20 |
| 4x2 – 16x + 15 | 8x2 + 18x -5 | 15a2 – a – 2 | 5a2 + 42a + 49 |
| 4a2 – 35a – 9 | 7a2 – 29a + 24 | 10a2 + a – 21 | 3a2 + 43a - 30 |