Factoring x2 + bx + c Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Factor the trinomials below then find one factor in the left column (how to color it) and one factor in the right column (which letter to color).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R | F | A | J | G | I | P | P | F | A | J | H | E | Q |
| K | H | D | M | L | A | E | F | H | B | P | L | A | E |
| J | B | V | S | W | C | G | H | B | Q | M | P | C | J |
| H | V | W | J | I | M | C | B | Q | K | G | M | N | A |
| A | I | O | L | G | I | S | Q | K | H | D | W | K | H |
| L | G | E | O | C | J | I | F | G | B | X | F | G | D |
| M | C | A | I | R | L | H | J | D | X | K | A | D | Y |
| N | N | L | J | E | U | C | B | R | F | J | D | Z | R |
| O | O | N | C | H | E | U | Q | K | J | B | S | Y | X |
| N | V | O | V | C | A | I | F | A | D | P | O | R | Y |
| U | Q | U | N | P | L | G | G | B | M | Y | N | S | X |
| R | T | S | T | T | Y | L | D | U | T | V | T | W | X |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (x + 1) |  | (x – 1) | A |
|  | (x + 2) |  | (x – 2) | B |
|  | (x + 3) |  | (x – 3) | C |
|  | (x + 4) |  | (x – 4) | D |
|  | (x + 5) |  | (x – 5) | E |
|  | (x + 6) |  | (x – 6) | F |
|  | (x – 7) |  | (x + 7) | G |
|  | (x – 8) |  | (x + 8) | H |
|  | (x – 10) |  | (x + 9) | I |
|  | (x – 11) |  | (x + 10) | J |
|  | (x – 12) |  | (x + 11) | K |
|  | (x – 9) |  | (x + 12) | L |

|  |  |  |
| --- | --- | --- |
| x2 + 13x + 12 | x2 + 14x + 40 | x2­ + 13x + 42 |
| x2 – 11x + 28 | x2 – 13x + 40 | x2 – 16x + 60 |
| x2 + x – 2 | x2 + x – 6 | x2 + 2x – 15 |
| x2 – 3x – 88 | x2 – 3x – 108  | x2 + 2x – 99 |