Name

Factor the Quadratic Equation with Coefficient - Standard Form To Split X Terms

1 Split the 'm' terms into terms that add to the middle coefficient and multiply to (first * last) coefficients

$$6m^2 + 23m + 21$$

A $6m^2 + 14m + 9m + 21$

B $6m^2 + 14m + 21m + 9$

2 Split the 'r' terms into terms that add to the middle coefficient and multiply to (first * last) coefficients $3r^2 + 13r + 12$

A $3r^2 + 9r + 4r + 12$

B $9r^2 + 3r + 4r + 12$

3 Split the 'y' terms into terms that add to the middle coefficient and multiply to (first * last) coefficients $4y^2 + 20y + 21$

A $4y^2 + 6y - 14y + 21$

B $4y^2 + 6y + 14y + 21$

4 Split the 'x' terms into terms that add to the middle coefficient and multiply to (first * last) coefficients $8x^2 + 34x + 21$

A $8x^2 - 6x + 28x + 21$

B $8x^2 + 6x + 28x + 21$

5 Split the 'n' terms into terms that add to the middle coefficient and multiply to (first * last) coefficients $3n^2 + 10n + 8$

A $3n^2 + 6n + 4n + 8$

B $3n^2 - 6n - 4n + 8$

6 Split the 'r' terms into terms that add to the middle coefficient and multiply to (first * last) coefficients $3r^2 + 14r + 8$

A $3r^2 + 12r + 8r + 2$

B $3r^2 + 12r + 2r + 8$

7 Split the 'w' terms into terms that add to the middle coefficient and multiply to (first * last) coefficients

$$14w^2 + 29w + 12$$

A $14w^2 + 21w + 8w + 12$

B $14w^2 + 21w - 8w + 12$

8 Split the 'n' terms into terms that add to the middle coefficient and multiply to (first * last) coefficients $8n^2 + 21n + 10$

A $8n^2 - 16n - 5n + 10$

B $8n^2 + 16n + 5n + 10$