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

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

$$12p^2 + 17p + 6$$

A $12p^2 + 8p + 6p + 9$	B $12p^2 + 8p - 9p + 6$
C $12p^2 - 8p + 9p + 6$	D $12p^2 - 8p - 9p + 6$
E $12p^2 + 8p + 9p + 6$	

2 Split the 't' terms into terms that add to the middle coefficient and multiply to (first * last) coefficients

$$25t^2 + 30t + 8$$

A $25t^2 + 10t + 20t + 8$	B $25t^2 - 10t - 20t + 8$
C $25t^2 + 10t + 8t + 20$	D $25t^2 + 10t - 20t + 8$
E $10t^2 + 25t + 20t + 8$	

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

$$10n^2 + 19n + 6$$

A $10n^2 - 4n - 15n + 6$	B $10n^2 - 4n + 15n + 6$
C $4n^2 + 10n + 15n + 6$	D $10n^2 + 4n + 6n + 15$
E $10n^2 + 4n + 15n + 6$	

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

$$6m^2 + 25m + 14$$

A $6m^2 - 4m - 21m + 14$	B $6m^2 - 4m + 21m + 14$
C $6m^2 + 4m + 21m + 14$	D $6m^2 + 4m + 14m + 21$
E $4m^2 + 6m + 21m + 14$	

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

$$20z^2 - 7z - 6$$

A $20z^2 + 8z - 15z - 6$	B $20z^2 - 8z - 15z + 6$
C $20z^2 + 8z + 6z + 15$	D $20z^2 + 8z - 15z + 6$
E $8z^2 + 20z + 15z + 6$	

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

$$10q^2 - 31q - 14$$

A $4q^2 + 10q + 35q + 14$	B $10q^2 + 4q + 14q + 35$
C $10q^2 + 4q - 35q - 14$	D $10q^2 - 4q + 35q + 14$
E $10q^2 - 4q - 35q + 14$	

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

$$9m^2 + 27m + 14$$

A $9m^2 + 21m - 6m + 14$	B $9m^2 - 21m + 6m + 14$
C $9m^2 + 21m + 6m + 14$	D $9m^2 + 21m + 14m + 6$
E $9m^2 - 21m - 6m + 14$	

8 Split the 't' terms into terms that add to the middle coefficient and multiply to (first * last) coefficients

$$8t^2 + 34t + 21$$

A $8t^2 + 28t + 6t + 21$	B $8t^2 + 28t - 6t + 21$
C $8t^2 - 28t - 6t + 21$	D $8t^2 - 28t + 6t + 21$
E $8t^2 + 28t + 21t + 6$	

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