mobius

Factor the Quadratic Equation with Coefficient - Split X Terms To Partial Answer

1 Find common factors of the first 2 and last 2 terms

$$5w^2 + 45w + 8w + 72$$

A $5w(w + 9) + 8(w + 9)$

B $5w(5w + 9) - 8(5w + 9)$

2 Find common factors of the first 2 and last 2 terms

$$9m^2 + 54m + 8m + 48$$

A $4m(9m + 6) - 8(9m + 6)$

B $9m(m + 6) + 8(m + 6)$

3 Find common factors of the first 2 and last 2 terms

$$8z^2 + 32z + 5z + 20$$

A $8z(8z + 4) - 5(8z + 4)$

B $8z(z + 4) + 5(z + 4)$

4 Find common factors of the first 2 and last 2 terms

$$25m^2 + 45m + 30m + 54$$

A $5m(5m + 9) + 6(5m + 9)$

B $5m(5m + 6) - 9(5m + 6)$

5 Find common factors of the first 2 and last 2 terms

$$7m^2 + 35m + 6m + 30$$

A $7m(7m + 5) + 6(7m + 5)$

B $7m(m + 5) + 6(m + 5)$

6 Find common factors of the first 2 and last 2 terms

$$8q^2 + 20q + 18q + 45$$

A $4q(2q + 5) + 9(2q + 5)$

B $2q(4q + 5) - 9(4q + 5)$

7 Find common factors of the first 2 and last 2 terms

$$14r^2 + 63r + 16r + 72$$

A $7r(2r + 9) + 8(2r + 9)$

B $7r(2r - 9) - 8(2r - 9)$

8 Find common factors of the first 2 and last 2 terms

$$4w^2 + 20w + 3w + 15$$

A $4w(7w + 5) + 3(7w + 5)$

B $4w(w + 5) + 3(w + 5)$