

Directions: On the following flashcards, please state ALL the types of factoring you can use to factor the expression.

A. Undistribution (GCF)

B. Difference of Squares

C. Perfect Square Trinomials

D1. Quadratic Trinomials $a=1$

D2. Quadratic Trinomials $a=1$

$$-5x - 10y + 25z$$

$$-5x - 10y + 25z$$

A. Undistribution (GCF)

$$x^2 - 2x + 35$$

$$x^2 - 2x + 35$$

D1. Quadratic Trinomials

$$6x^2 + 7x - 20$$

$$6x^2 + 7x - 20$$

D2. Quadratic Trinomials

$$25x^2 + 40xy + 16y^2$$

$$25x^2 + 40xy + 16y^2$$

C. Perfect Square Trinomials

$$100x^2 - 81$$

$$100x^2 - 81$$

B. Difference of Squares

$$m^2 - 13m + 40$$

$$m^2 - 13m + 40$$

D1. Quadratic Trinomials

$$-16x^{12} + 8x^2 + 4x$$

$$-16x^{12} + 8x^2 + 4x$$

A. Undistribution (GCF)

$$a^2 + 20ay + 100y^2$$

$$a^2 + 20ay + 100y^2$$

C. Perfect Square Trinomials

$$y^2 - 4y - 21$$

$$y^2 - 4y - 21$$

D1. Quadratic Trinomials

$$25b^2 - 16$$

$$25b^2 - 16$$

B. Difference of Squares

$$9b^2 - 6b + 1$$

$$9b^2 - 6b + 1$$

C. Perfect Square Trinomials

$$8x^2 + 14x - 9$$

$$8x^2 + 14x - 9$$

D2. Quadratic Trinomials

$$4x^2 - 16x + x^3$$

$$4x^2 - 16x + x^3$$

A. Undistribution (GCF)

$$12x^2 + x - 1$$

$$12x^2 + x - 1$$

D2. Quadratic Trinomials

$$x^2 + 2xy + y^2$$

$$x^2 + 2xy + y^2$$

C. Perfect Square Trinomials

$$6m^2 + 11m - 7$$

$$6m^2 + 11m - 7$$

D2. Quadratic Trinomials

$$36x^2 - 16f^2g^2$$

$$36x^2 - 16f^2g^2$$

A. Undistribution (GCF)

B. Difference of Squares

$$p^2 - 2p - 63$$

$$p^2 - 2p - 63$$

D1. Quadratic Trinomials

$$100x^2 + 180xg + 81g^2$$

$$100x^2 + 180xg + 81g^2$$

C. Perfect Square Trinomials

$$-2x + 8y$$

$$-2x + 8y$$

A. Undistribution (GCF)

$$12x^2y^3 - 5x^4y + 10x^3y^9$$

$$12x^2y^3 - 5x^4y + 10x^3y^9$$

A. Undistribution (GCF)

$$h^2 - 7h + 12$$

$$h^2 - 7h + 12$$

D1. Quadratic Trinomials

$$k^2 x^2 - 2kx + 1$$

$$k^2x^2 - 2kx + 1$$

C. Perfect Square Trinomials

$$64x^2 - 1$$

$$64x^2 - 1$$

B. Difference of Squares