The **Discriminant** is a formula that indicates if a quadratic is factorable.

$$D = B^2 - 4AC$$

If the Discriminant is a perfect square number, then the Quadratic is factorable.

If it is not a perfect square, then it is not factorable.

## Use the Discriminant to decide whether the quadratic can be factored.

WAY

If it can be factored, factor the expression.

1) 
$$x^2 + 3x - 6$$

2) 
$$2x^2 + 11x + 5$$

3) 
$$5n^2 - 11n + 6$$