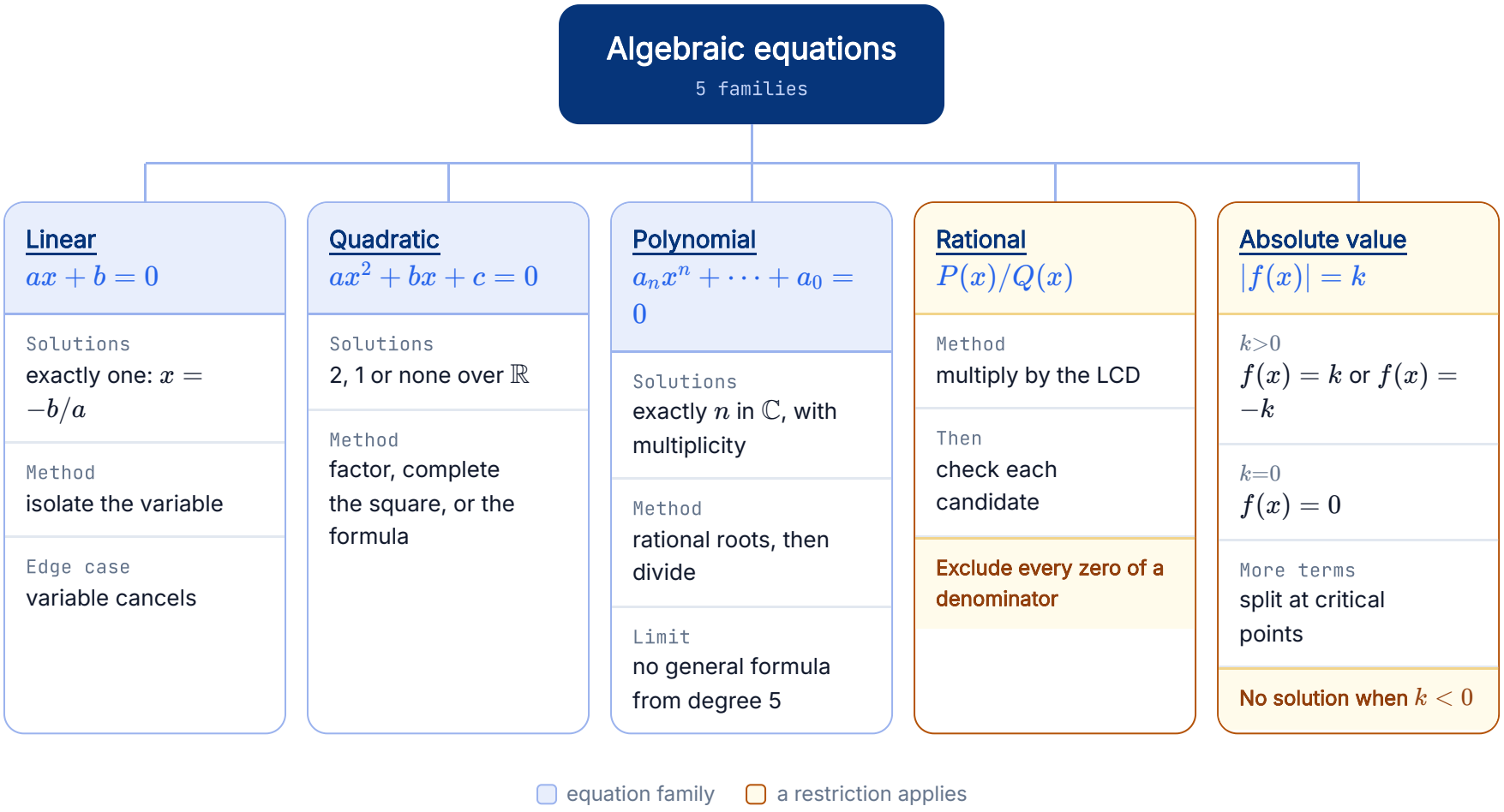
BEFORE YOU READ

Five algebraic equation families

Each family below has its own form, its own count of solutions, and its own method. Two of them come with a check that cannot be skipped. Open an item for the longer explanation.



TAKEAWAY

Verify where the method can mislead

Linear and quadratic equations need no checking beyond arithmetic. Rational equations must be checked against their excluded values, and absolute value equations split into cases that each need solving.