Math 115E Exam 2 Review

Jeoparty Planner

How to factor quadratic equations

Quadratic factoring when a = 1:
When factoring, the form $x^2 + bx + c$
can be factored as $(x + m)(x + n)$
Start with real numbers m *and* n *so:*
they both multiply to c *and both add to* b
There is not a value in front of either x

Quadratic factoring when a ≠ 1:
When factoring, the form $\boldsymbol{a}x^2 + bx + c$
can be factored as $(px + m)(qx + n)$
Start with two real numbers such that:
multiply to $\boldsymbol{a} \cdot c$ *and yet add to* b
then we re-group the terms and factor

Column 1

$100 :

$200 :

$300 :

$400 :

$500 :

Column 2

$100 :

$200 :

$300 :

$400 :

$500 :

Column 3

$100 :

$200 :

$300 :

$400 :

$500 :

Column 4

$100 :

$200 :

$300 :

$400 :

$500 :

Column 5

$100 :

$200 :

$300 :

$400 :

$500 :