Solving Quadratics

Factoring (Perfect Square)

Factoring (x^2)

Factoring (ax^2)

Quadratic Formula

Taking the Square Root

1. Fold the paper.
2. Cut along the lines.

Factoring
(Perfect Square)

Factoring
(x^2)

Factoring
(ax^2)

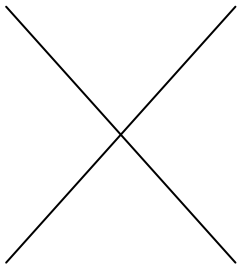
Quadratic
Formula

Taking the
Square Root

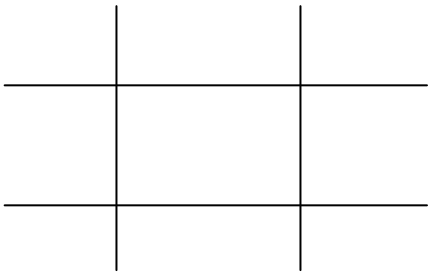
Solving Quadratics

$x^2 - 64 = 0$

$x^2 + 7x + 10 = 0$



$5x^2 + 8x + 3 = 0$



$2x^2 + 3x + 4 = 0$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$x^2 - 20 = 0$

$(x-5)^2 = 81$

Factoring
(Perfect Square)

Factoring
(x^2)

Factoring
(ax^2)

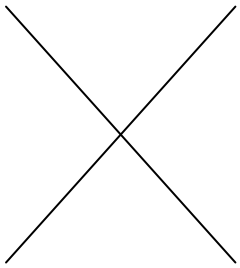
Quadratic
Formula

Completing
the Square

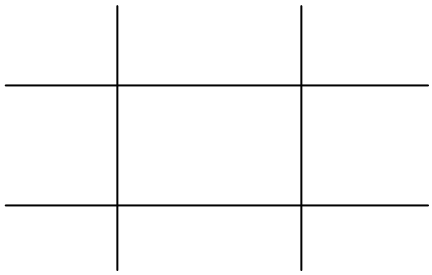
Solving Quadratics

$x^2 - 64 = 0$

$x^2 + 7x + 10 = 0$



$5x^2 + 8x + 3 = 0$



$2x^2 + 3x + 4 = 0$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$x^2 + 6x - 8 = 0$