Perfect Squares

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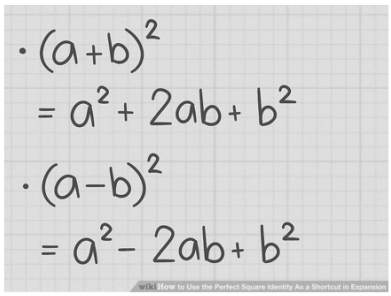

Example of Perfect Squares

$(x + 1)^2$	$(2x - 5)^2$	$(x + 2\sqrt{3})^2$
$x^2 + 2x + 1$	$4x^2 - 20x + 5^2$	$x^2 + 4\sqrt{6x} + 2\sqrt{3^2}$
	$4x^2 - 20x + 25$	$x^2 + 4\sqrt{6x} + 12$

Difference of Two Squares

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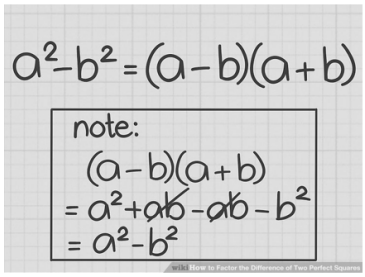

Examples of Difference of Two Squares

$(x - 1) (x + 1)$
x^2

Examples of Difference of Two Squares

$(x - 1) (x + 1)$	$(2m + 5) (2m - 5)$
$x^2 + x - x - 1$	$4m^2 - 10m + 10m - 25$
$x^2 - 1$	$4m^2 - 25$
$3x^2 - \sqrt{15} + \sqrt{15}$	
$(\sqrt{3x} + \sqrt{5}) (\sqrt{3x} + \sqrt{5})$	
$3x^2 - 5$	

Examples of Difference of Two Squares

$(x - 1) (x + 1)$	$(2m + 5) (2m - 5)$
$x^2 + x - x - 1$	$4m^2 - 10m + 10m - 25$
$x^2 - 1$	$4m^2 - 25$
$(\sqrt{3x} + \sqrt{5}) (\sqrt{3x} + \sqrt{5})$	$= 3x^2 - \sqrt{15} + \sqrt{15}$
$3x^2 - 5$	