

Super Fun Easy Worksheet 11
Quadratics with Grids
Math II

Name _____

Example	Question 1	Question 2																											
Factored Form $(x+2)(x-5)$	Factored Form $(x+3)(x-5)$	Factored Form $(x+3)(x-4)$																											
Diagram	Diagram	Diagram																											
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td>x</td><td>2</td></tr> <tr><td>x</td><td>x^2</td><td>$2x$</td></tr> <tr><td>-5</td><td>$-5x$</td><td>-10</td></tr> </table>		x	2	x	x^2	$2x$	-5	$-5x$	-10	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td>x</td><td>3</td></tr> <tr><td>x</td><td></td><td></td></tr> <tr><td>-5</td><td></td><td></td></tr> </table>		x	3	x			-5			<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>									
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x	x^2	$2x$																											
-5	$-5x$	-10																											
	x	3																											
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-5																													
Standard Form $x^2 - 3x - 10$	Standard Form	Standard Form																											

Example	Question 3	Question 4																											
Factored Form $(x-6)(x-5)$	Factored Form $(x-6)(x-4)$	Factored Form $(x-5)(x-4)$																											
Diagram	Diagram	Diagram																											
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td>x</td><td>-6</td></tr> <tr><td>x</td><td>x^2</td><td>$-6x$</td></tr> <tr><td>-5</td><td>$-5x$</td><td>30</td></tr> </table>		x	-6	x	x^2	$-6x$	-5	$-5x$	30	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td>x</td><td>-6</td></tr> <tr><td>x</td><td></td><td></td></tr> <tr><td>-4</td><td></td><td></td></tr> </table>		x	-6	x			-4			<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>									
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-4																													
Standard Form $x^2 - 11x + 30$	Standard Form	Standard Form																											

Example	Question 5	Question 6	Question 7																																				
Standard Form	Standard Form	Standard Form	Standard Form																																				
$x^2 - 2x - 8$	$x^2 - 4x - 21$	$x^2 - 5x - 14$	$x^2 - 2x - 35$																																				
Diagram	Diagram	Diagram	Diagram																																				
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Factored Form	Factored Form	Factored Form	Factored Form																																				
$(x+2)(x-4)$																																							

Example	Question 8	Question 9	Question 10																																				
Standard Form	Standard Form	Standard Form	Standard Form																																				
$x^2 - 5x + 6$	$x^2 - 7x + 12$	$x^2 - 10x + 24$	$x^2 - 15x + 50$																																				
Diagram	Diagram	Diagram	Diagram																																				
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