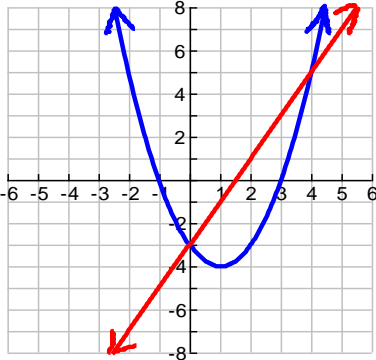
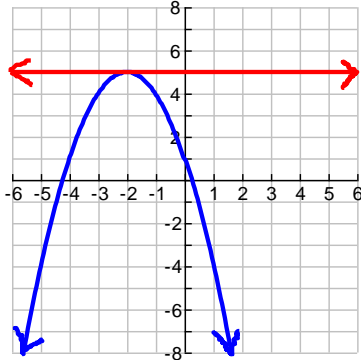
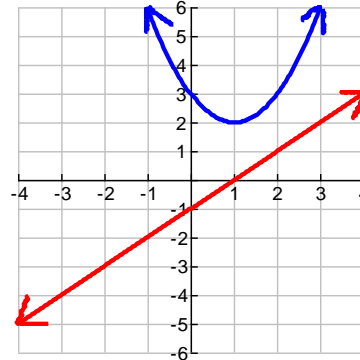
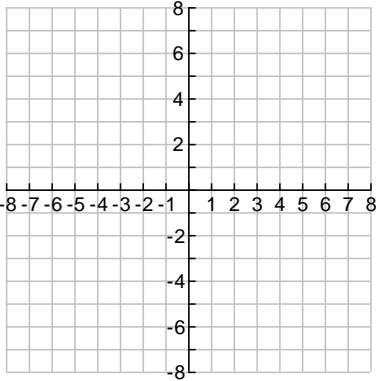
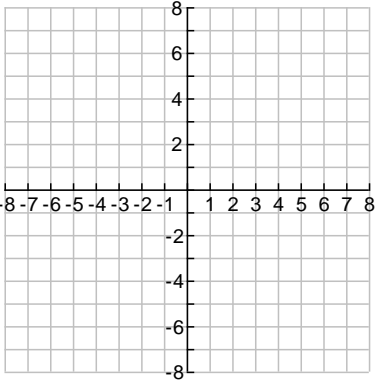
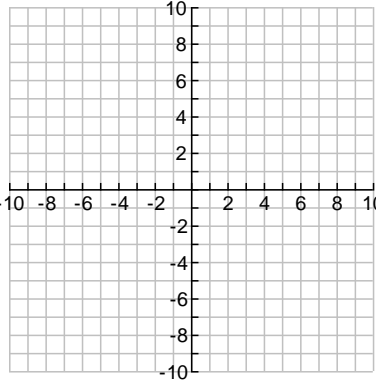


Types of Solutions Produced By a Linear and Quadratic System

<p>Example 1: $\begin{cases} y = x^2 - 2x - 3 \\ y = 2x - 3 \end{cases}$</p> 	<p>Example 2: $\begin{cases} y = -(x+2)^2 + 5 \\ y = 5 \end{cases}$</p> 	<p>Example 3: $\begin{cases} y = x^2 - 2x + 4 \\ y = x - 1 \end{cases}$</p> 
<p>Number of Solution(s): _____ What are the solutions?</p>	<p>Number of Solution(s): _____ What are the solutions?</p>	<p>Number of Solution(s): _____ What are the solutions?</p>

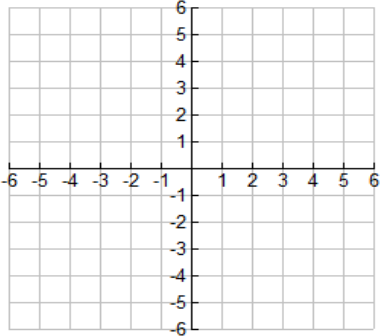
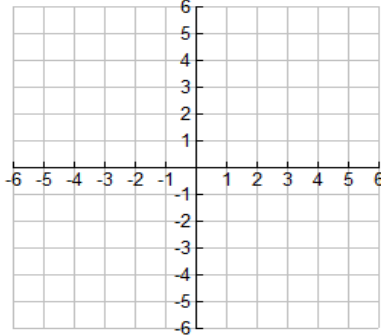
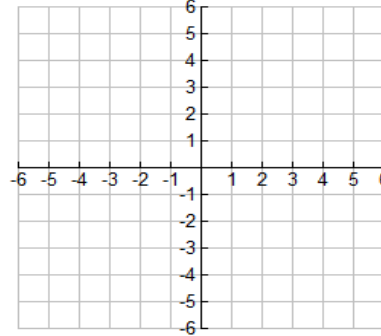
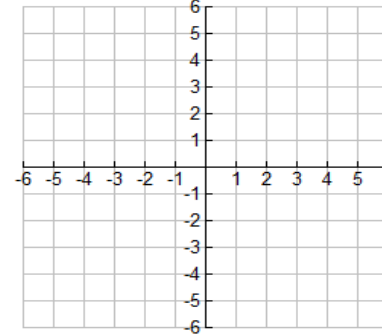
Solving Linear and Quadratic System By Graphing Examples

<p>Example 4a: $\begin{cases} y = (x+2)^2 - 6 \\ y = 4x - 2 \end{cases}$</p>  <p>Solution(s): _____</p>	<p>Example 5a: $\begin{cases} y = x^2 - 2x - 3 \\ y = -5 \end{cases}$</p>  <p>Solution(s): _____</p>	<p>Example 6a: $\begin{cases} y = -x^2 + 2x + 7 \\ y = -2x + 2 \end{cases}$</p>  <p>Solution(s): _____</p>
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Solving Linear and Quadratic System By Substitution (Rework Examples Above) Examples

<p>Example 4b: $\begin{cases} y = (x+2)^2 - 6 \\ y = 4x - 2 \end{cases}$</p>	<p>Example 5b: $\begin{cases} y = x^2 - 2x - 3 \\ y = -5 \end{cases}$</p>	<p>Example 6b: $\begin{cases} y = -x^2 + 2x + 7 \\ y = -2x + 2 \end{cases}$</p>
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I. Solve each linear and quadratic system BY GRAPHING. State the solution(s) on the line. Must be ACCURATE!

<p>1.) $\begin{cases} y = x^2 + 2x - 3 \\ y = 2x + 1 \end{cases}$</p>  <p>Solution(s): _____</p>	<p>2.) $\begin{cases} y = -x^2 - 6x - 6 \\ y = 3 \end{cases}$</p>  <p>Solution(s): _____</p>	<p>3.) $\begin{cases} y = -(x - 2)^2 + 5 \\ y = -x + 1 \end{cases}$</p>  <p>Solution(s): _____</p>	<p>4.) $\begin{cases} y = x^2 - 4x + 2 \\ y = -\frac{3}{4}x - 1 \end{cases}$</p>  <p>Solution(s): _____</p>
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II. Solve each linear and quadratic system BY SUBSTITUTION. State the solution(s) on the line. Must SHOW WORK!

<p>5.) $\begin{cases} y = x^2 + 5x - 2 \\ y = 3x - 2 \end{cases} \rightarrow$ Solution(s): _____</p>	<p>6.) $\begin{cases} y = -x^2 - 3x + 2 \\ y = x + 6 \end{cases} \rightarrow$ Solution(s): _____</p>	<p>7.) $\begin{cases} y = -2x^2 - 4x - 1 \\ y = 2x + 4 \end{cases} \rightarrow$ Solution(s): _____</p>
<p>8.) $\begin{cases} x + y = 5 \\ y + 1 = 3x^2 + 2x \end{cases} \rightarrow$ Solution(s): _____</p>	<p>9.) $\begin{cases} x^2 + y - 8 = 0 \\ x + y - 2 = 0 \end{cases} \rightarrow$ Solution(s): _____</p>	<p>10.) $\begin{cases} 5x + y = 2x^2 + 6 \\ y + 4x = 7x - 2 \end{cases} \rightarrow$ Solution(s): _____</p>