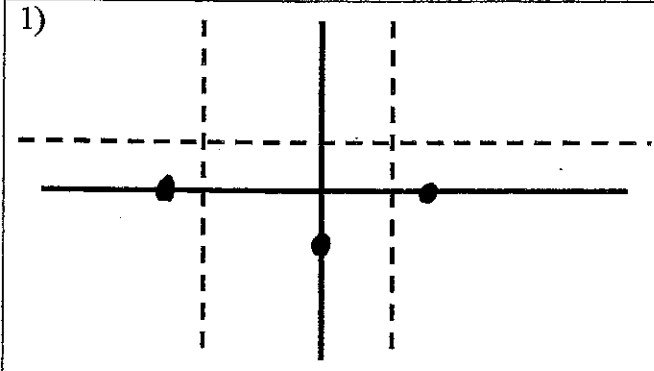
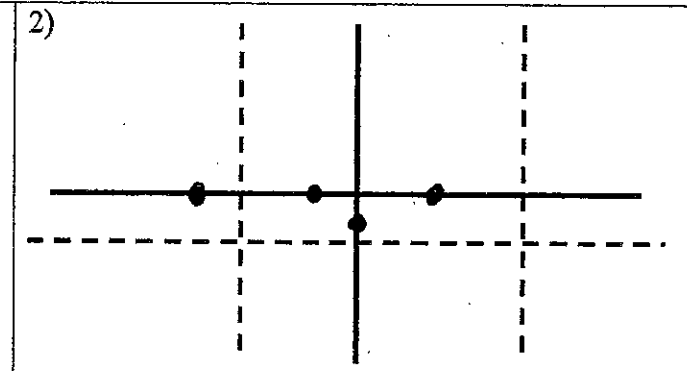
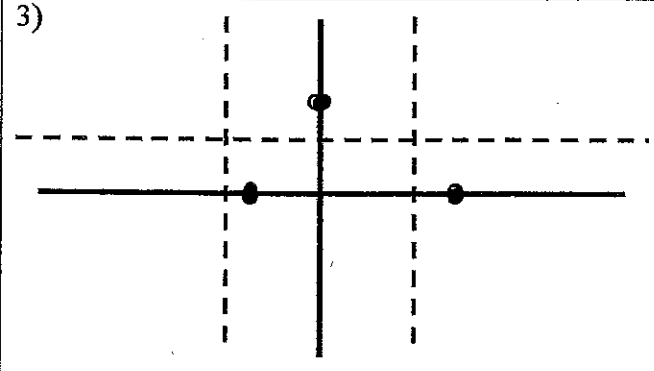
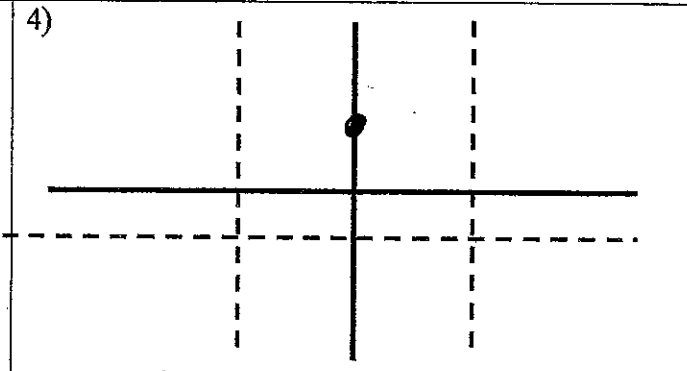
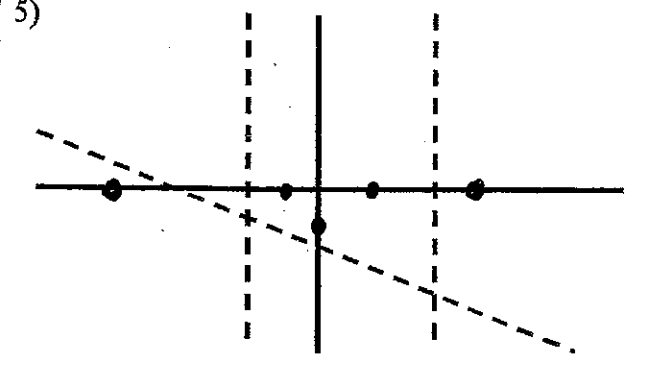
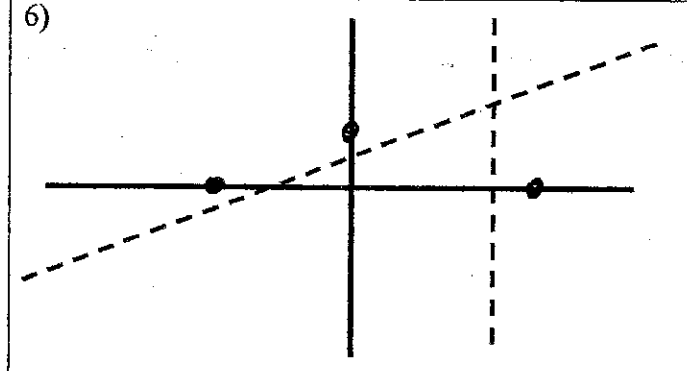
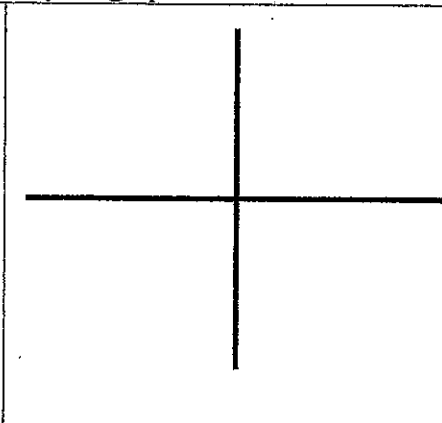


Given the drawn Asymptotes and Intercepts, sketch the graph.

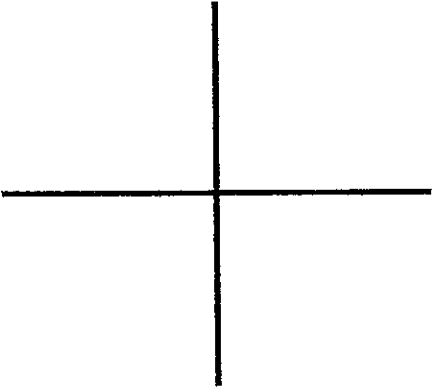
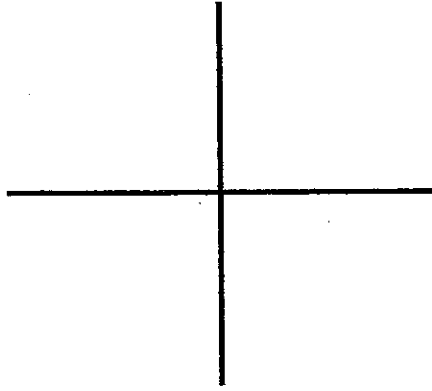
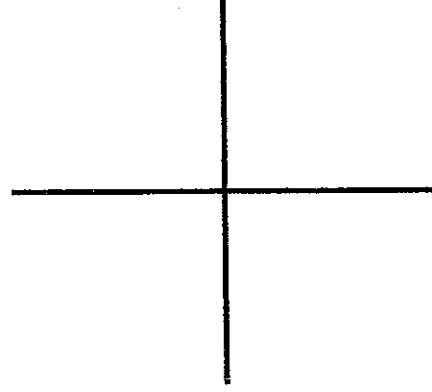
Period

<p>1)</p> 	<p>2)</p> 
<p>3)</p> 	<p>4)</p> 
<p>5)</p> 	<p>6)</p> 

Given the following rational functions, identify the following (use $x = \#$ or $y = \#$ on answers, not just #). Show factoring work. Then sketch the graph based on your results. Check your graph with the calculator.

<p>7)</p> $\frac{x^2 - 3x - 4}{x^2 + x - 2}$ <p>x-int:</p> <p>y-int:</p> <p>Horiz asy:</p> <p>Vert asy:</p>	<p>Factoring work</p>	
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Given the following rational functions, identify the following (use $x = \#$ or $y = \#$ on answers, not just #). Show factoring work. Then sketch the graph based on your results. Check your graph with the calculator.

<p>8) $\frac{x^2 + x - 6}{x^2 - 1}$</p> <p>x-int:</p> <p>y-int:</p> <p>Horiz asy:</p> <p>Vert asy:</p>	<p>Factoring work</p>	
<p>9) $\frac{x^2 + 2x - 15}{x^2 - 4}$</p> <p>x-int:</p> <p>y-int:</p> <p>Horiz asy:</p> <p>Vert asy:</p>	<p>Factoring work</p>	
<p>10) $\frac{3x^2 + 4x - 20}{x^2 + x - 2}$</p> <p>x-int:</p> <p>y-int:</p> <p>Horiz asy:</p> <p>Vert asy:</p>	<p>Factoring work</p>	
<p>11) $\frac{x^2 + 2x - 8}{x^3 + 2x^2 - 25x - 50}$</p> <p>Hint: you will need to plot extra pts.</p> <p>x-int:</p> <p>y-int:</p> <p>Horiz asy:</p> <p>Vert asy:</p>	<p>Factoring work</p>	