

Hyperbolas

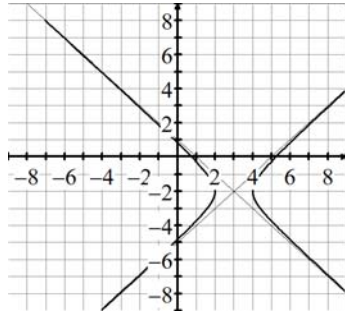
There are 19 points possible
Count each box below as 1 point
and count each graph as 1 point

1) $C(0,0)$; $F(\pm\sqrt{29},0)$; Asymptotes: $y = \pm\frac{5}{2}x$	
2) $C(0,0)$; $F(0,\pm\sqrt{13})$; Asymptotes: $y = \pm\frac{2}{3}x$	
3) $C(1,-2)$; $F(6,-2)$ & $(-4,-2)$; Asymptotes: $y + 2 = \pm\frac{3}{4}(x - 1)$	
4) $C(3,-2)$; $F(3 \pm \sqrt{2}, -2)$; Asymptotes: $y + 2 = \pm(x - 3)$	
5) $C(-3,5)$; $F(-3, 5 \pm 3\sqrt{2})$; Asymptotes: $y - 5 = \pm(x + 3)$	
6) $C(1,-2)$; $F(1, -2 \pm \sqrt{5})$; Asymptotes: $y + 2 = \pm\frac{1}{2}(x - 1)$	
7) $C(-2,1)$; $F(-2,6)$ & $(-2,-4)$; Asymptotes: $y - 1 = \pm\frac{4}{3}(x + 2)$	
8) $\frac{(x-1)^2}{1} - \frac{(y-1)^2}{8} = 1$	9) $\frac{y^2}{9} - \frac{x^2}{4} = 1$
10) $\frac{(y+1)^2}{100} - \frac{(x+2)^2}{69} = 1$	11) $\frac{(y+5)^2}{9} - \frac{(x-5)^2}{7} = 1$
12) $(-\sqrt{3}, 2\sqrt{3})$	

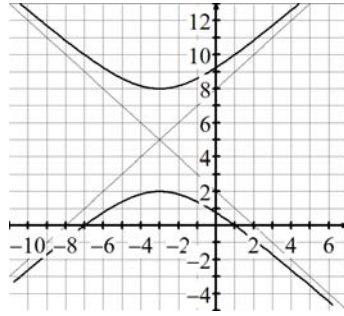
Graphs

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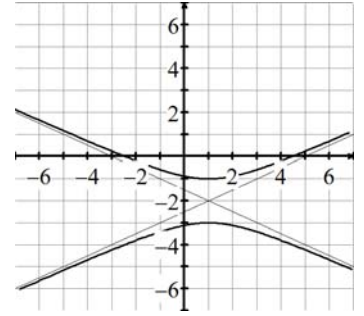
4)



5)



6)



7)

