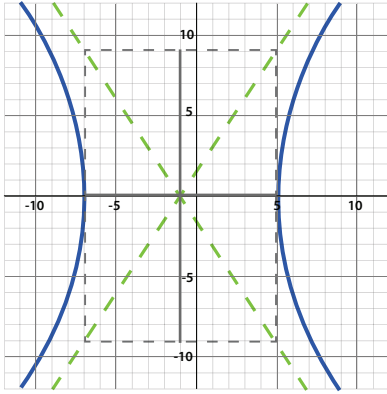


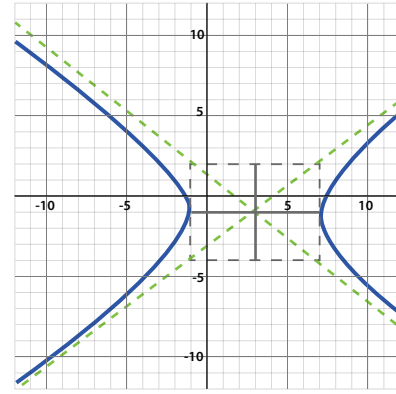
Finding Hyperbola Equation *from a Graph*

Use each graph to find the standard form of the hyperbola equation.

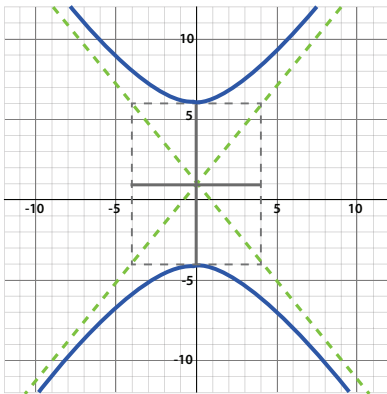
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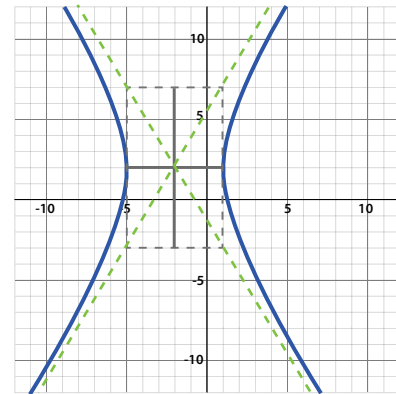
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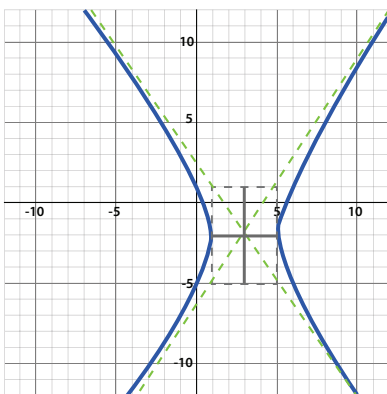
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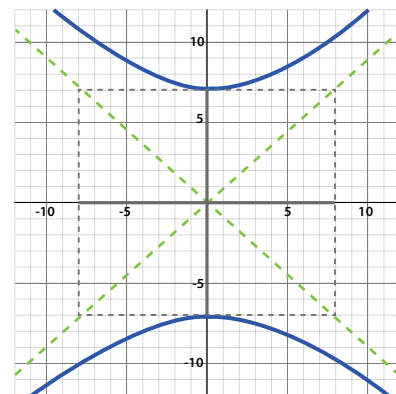
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5



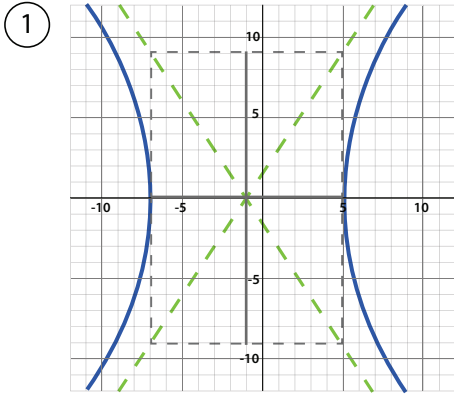
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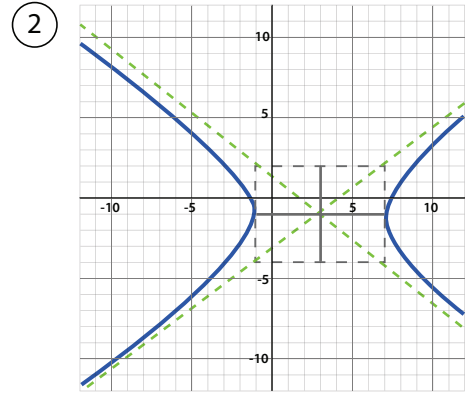
Finding Hyperbola Equation *from a Graph*

(Answers)

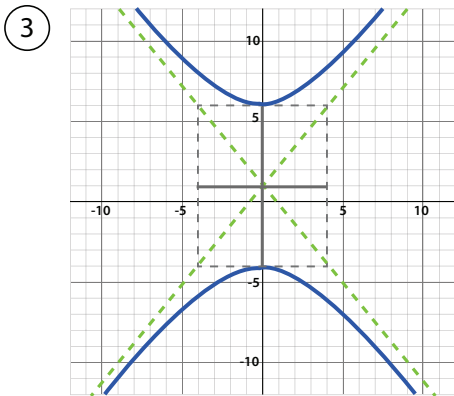
Use each graph to find the standard form of the hyperbola equation.



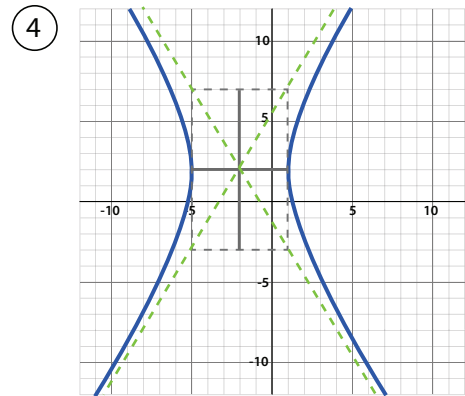
$$\frac{(x + 1)^2}{36} - \frac{y^2}{81} = 1$$



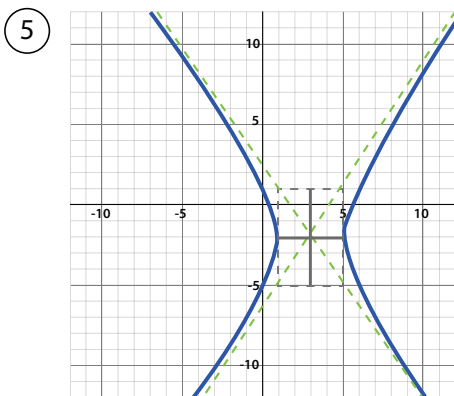
$$\frac{(x - 3)^2}{16} - \frac{(y + 1)^2}{9} = 1$$



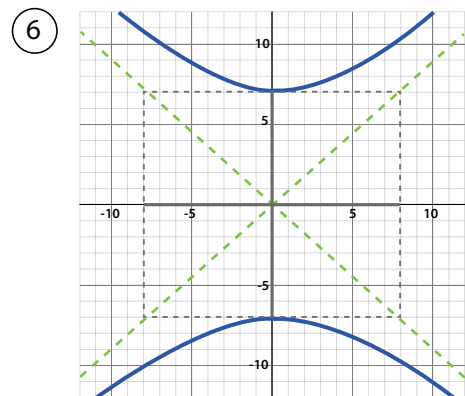
$$\frac{(y - 1)^2}{25} - \frac{x^2}{16} = 1$$



$$\frac{(x + 2)^2}{9} - \frac{(y - 2)^2}{25} = 1$$



$$\frac{(x - 3)^2}{4} - \frac{(y + 2)^2}{9} = 1$$



$$\frac{y^2}{49} - \frac{x^2}{64} = 1$$