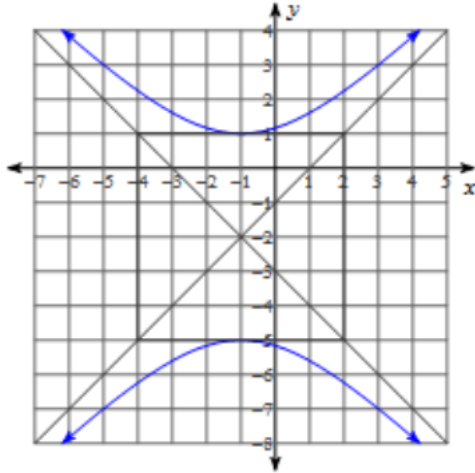


Name: \_\_\_\_\_  
PCH

Date: \_\_\_\_\_  
Ms. Loughran

Do Now:

1. Write the equation, in standard form, of the hyperbola graphed below.



2. Write the equation of the hyperbola, in standard form, that has the following characteristics:

Vertices:  $(9, 12)$  and  $(9, -18)$

Foci:  $(9, -3 + \sqrt{229})$  and  $(9, -3 - \sqrt{229})$