

Honors Geometry Hyperbola Graph

Name: _____

Use the graph of the hyperbola below. *All distance computations should be done with distance formula (not a ruler).*

1. What are the coordinates of the foci?
2. Draw the asymptotes.
3. What is the length of the transverse axis?
4. What is the length of the conjugate axis?
5. What is the difference of the focal radii?
6. What is the difference of the distances from the foci to the x-intercept?
7. Label a point P on the hyperbola (anywhere) and state its coordinates to the nearest tenth: P(,)
8. What is the difference of the distances from the foci to P? (*Hopefully this should correspond to you answer from # 5).*)

