**11.3 Practice – Hyperbolas Day 1**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_

Write the equation in standard form for each hyperbola.

1.  2.

Find the critical values for each hyperbola and then graph.

1. 

Center \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Co-vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Foci \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slopes of Asymptotes \_\_\_\_\_\_\_\_\_\_\_\_

1. 

Center \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Co-vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Foci \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slopes of Asymptotes \_\_\_\_\_\_\_\_\_\_\_\_

1. 

Center \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Co-vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Foci \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slopes of Asymptotes \_\_\_\_\_\_\_\_\_\_\_\_

1.  

Center \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Co-vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Foci \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slopes of Asymptotes \_\_\_\_\_\_\_\_\_\_\_\_

1. 

Center \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Co-vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Foci \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slopes of Asymptotes \_\_\_\_\_\_\_\_\_\_\_\_

1. 

Center \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Co-vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Foci \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slopes of Asymptotes \_\_\_\_\_\_\_\_\_\_\_\_

1. 

Center \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Co-vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Foci \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slopes of Asymptotes \_\_\_\_\_\_\_\_\_\_\_\_

1.  

Center \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Co-vertices \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Foci \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slopes of Asymptotes \_\_\_\_\_\_\_\_\_\_\_\_