

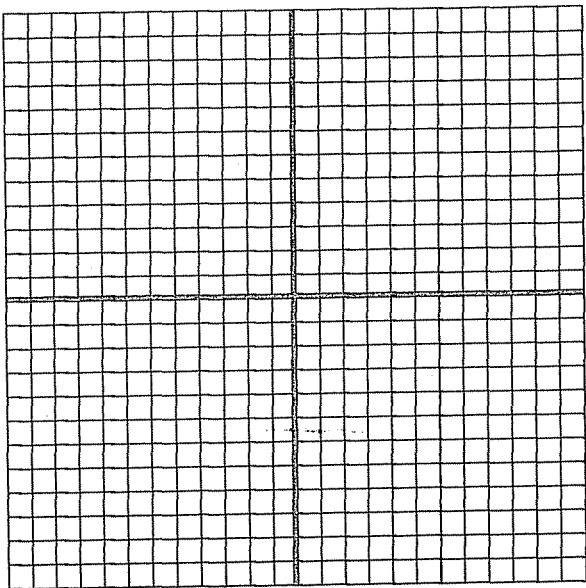
AA2 4.3
Hyperbolas

Name _____

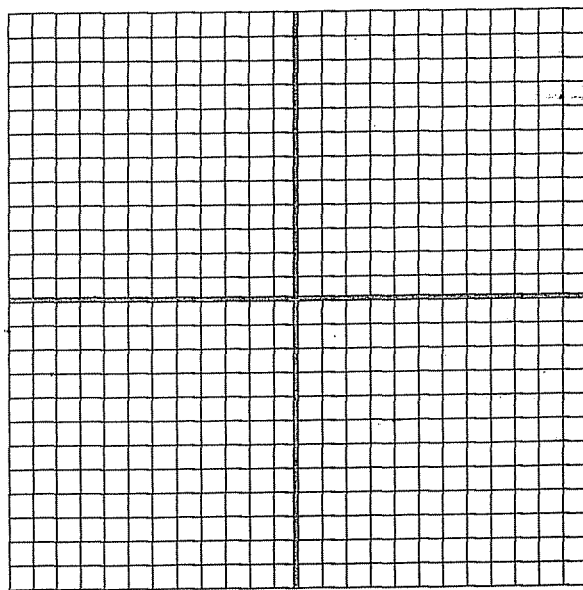
Date _____ Hour _____

Graph

1. $\frac{(x-2)^2}{36} - \frac{(y-3)^2}{25} = 1$

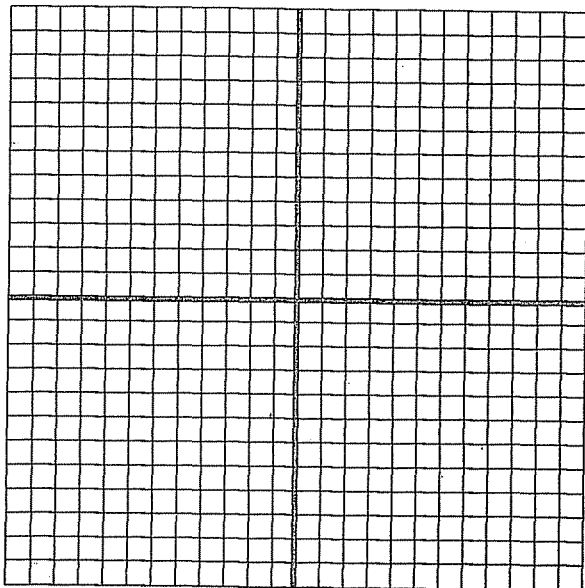


2. $\frac{(x+4)^2}{49} - \frac{(y+3)^2}{16} = 1$

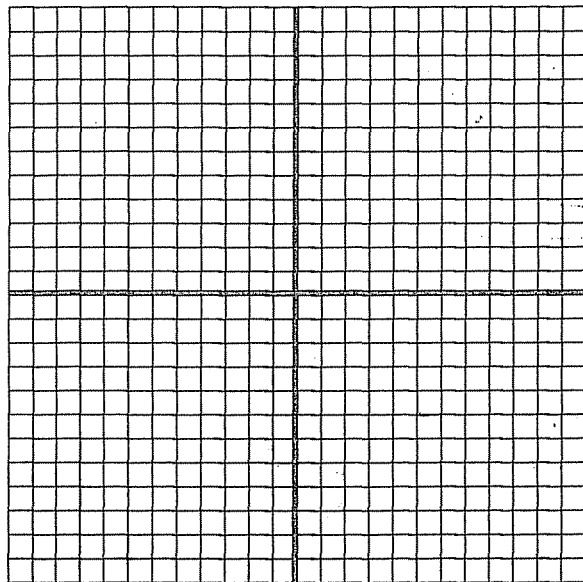


H.S.#316-2/92 (31)

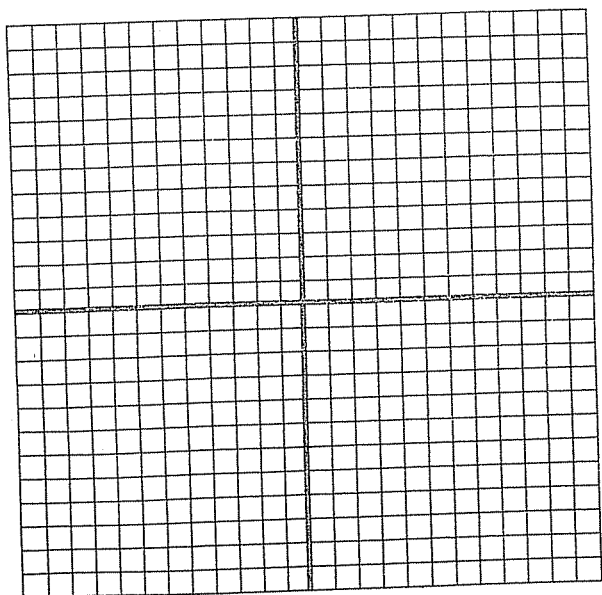
3. $\frac{(y-5)^2}{81} - \frac{(x+4)^2}{64} = 1$



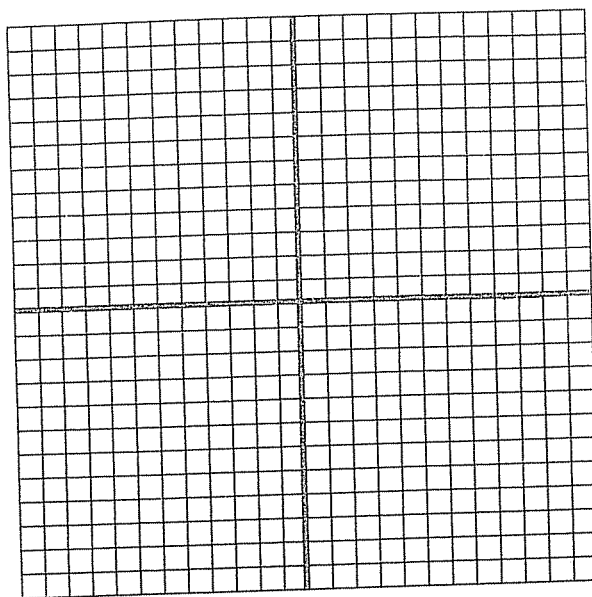
4. $\frac{(y+6)^2}{64} - \frac{(x-3)^2}{36} = 1$



5. $\frac{(x-1)^2}{16} - (y-4)^2 = 1$



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



Write the equation of the hyperbola in standard form.

7. $C(0,0)$; $a = 4$, $b = 2$, horizontal transverse axis

8. $C(3, 2)$; $a = 6$, $b = 1$, horizontal transverse axis

9. $C(-2, 1)$; $a = 5$, $c = 8$, vertical transverse axis

10. $C(4, -3)$; $a = 8$, $c = 12$, vertical transverse axis