

Precalc
 Review 10.1-10.4
 Quiz 10.3-10.4
 MCT 10.1-10.4 is tomorrow

Sep 21-4:22 PM

p. 638
 (31) $\frac{(x+3)^2}{49} + \frac{(y+1)^2}{25} = 1$
 (32) $\frac{(x)^2}{49} + \frac{(y)^2}{45} = 1$
 $4 + b^2 = 7^2$
 $b^2 = 45$

Sep 3-9:24 AM

p. 639
 (39) $\frac{3}{4} = \frac{c}{2}$
 $b = \frac{4c}{4}$
 $\frac{3}{2} = c$
 $b^2 + \frac{3^2}{4} = 4$
 $b^2 + \frac{9}{4} = 4$
 $b^2 = \frac{7}{4}$

$\frac{(x)^2}{4} + \frac{(y)^2}{\frac{7}{4}} = 1$

Sep 3-9:27 AM

For the equation of each ellipse, find the coordinates of the center, foci, and vertices. Then graph the equation.
 20. $\frac{(x-5)^2}{16} + \frac{(y-2)^2}{36} = 1$

Sep 19-4:19 PM

22. $6x^2 + 4y^2 + 24x - 32y + 64 = 0$

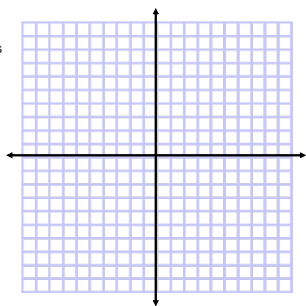
Sep 19-4:19 PM

18. $3x^2 + 3y^2 + 6x + 12y - 60 = 0$

Sep 19-4:19 PM

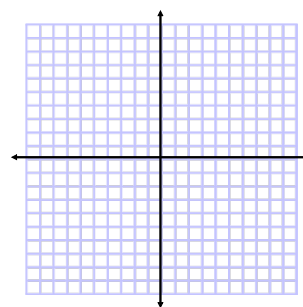
For the equation of each hyperbola, find the coordinates of the center, the foci, and the vertices and the equations of the asymptotes of its graph. Then graph the equation.

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



Sep 19-4:19 PM

28. $9x^2 - 16y^2 - 36x - 96y + 36 = 0$



Sep 19-4:19 PM

REVIEW EXERCISES

Find the distance between each pair of points with the given coordinates. Then, find the midpoint of the segment that has endpoints at the given coordinates.

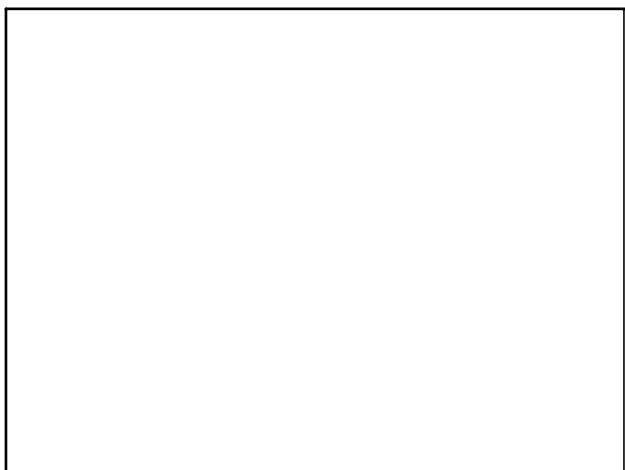
- 11. (1, -6), (-3, -4)
- 12. (a, b), (a + 3, b + 4)

Sep 19-4:17 PM

Write the standard form of the equation of each circle described. Then graph the equation.

- 14. center at (0, 0), radius $3\sqrt{3}$

Sep 19-4:18 PM



Sep 29-1:26 PM