

Graphing and Properties of Ellipses

Identify the center, vertices, co-vertices, foci, length of the major axis, and length of the minor axis of each.

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

21. $\frac{x^2}{36} + \frac{y^2}{25} = 1$

12. $\frac{x^2}{81} + \frac{y^2}{36} = 1$

22. $\frac{x^2}{144} + \frac{y^2}{100} = 1$

13. $\frac{x^2}{49} + \frac{(y+3)^2}{9} = 1$

23. $\frac{(x+2)^2}{25} + \frac{(y-3)^2}{16} = 1$

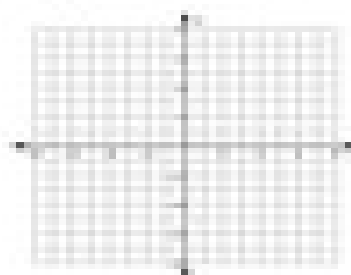
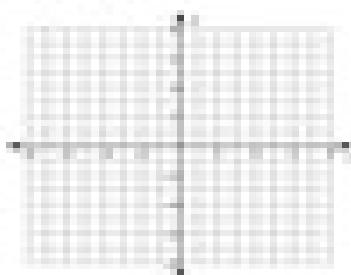
14. $\frac{(x-1)^2}{25} + \frac{(y-2)^2}{9} = 1$

24. $\frac{x^2}{16} + \frac{(y-4)^2}{9} = 1$

Graph each equation.

15. $\frac{x^2}{9} + \frac{y^2}{16} = 1$

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



16. $\frac{x^2}{36} + \frac{y^2}{25} = 1$

26. $\frac{x^2}{9} + \frac{y^2}{49} = 1$

