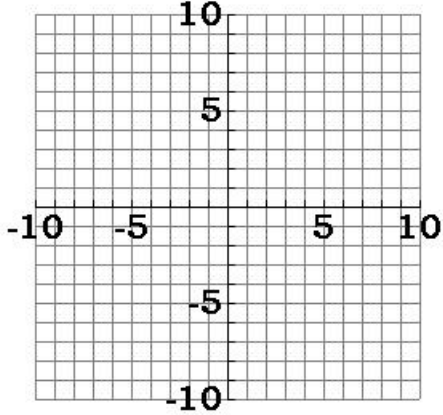
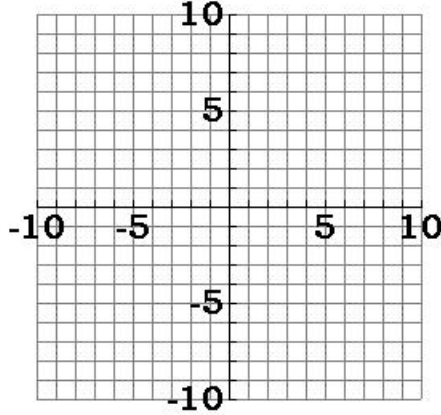


Name the conic and graph.

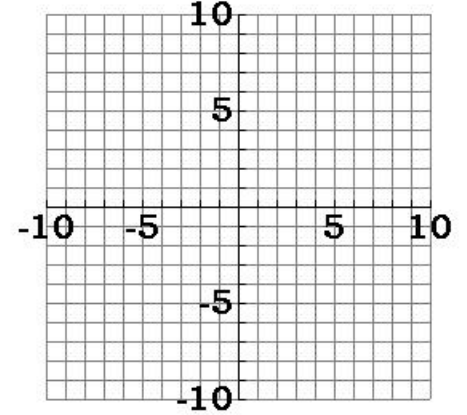
1. $y = (x + 2)^2 - 3$



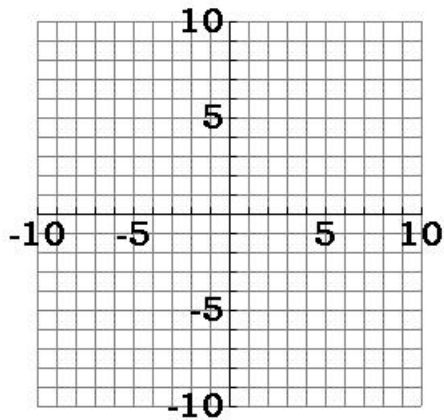
2. $\frac{(x - 2)^2}{25} + \frac{(y + 3)^2}{9} = 1$



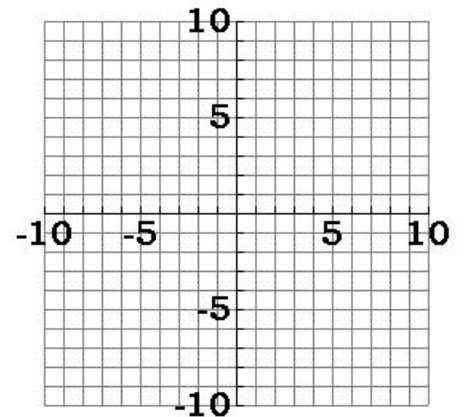
3. $\frac{(x - 1)^2}{9} - \frac{(y + 3)^2}{4} = 1$



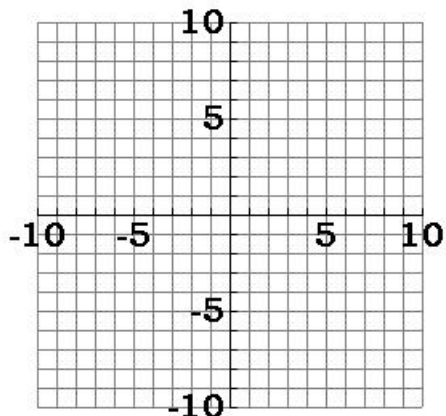
4. $(x - 4)^2 + (y - 3)^2 = 16$



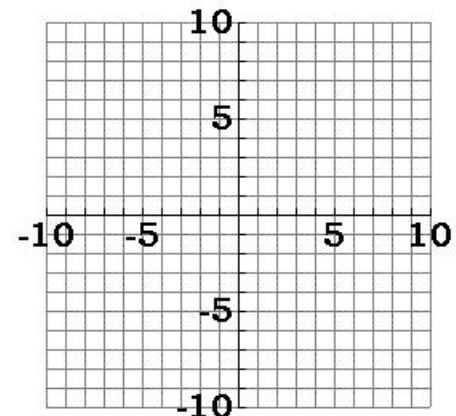
5. $y = x^2 - 4x + 2$



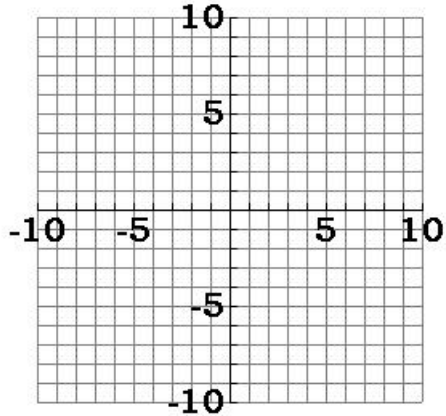
6. $-x^2 + 4y^2 - 2x - 16y = -11$



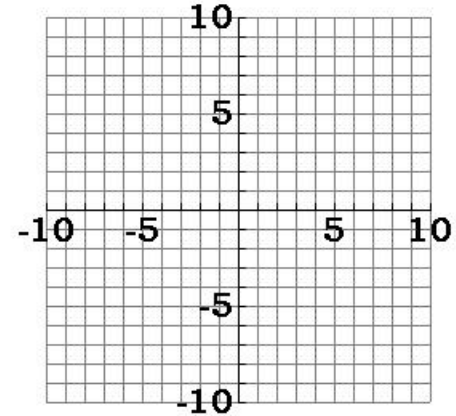
7. $4x^2 + y^2 - 8x + 4y + 4 = 32$



8. $y^2 - 4x^2 - 4y - 8x - 16 = 0$



9. $x^2 + 4x + 4y^2 - 8y - 56 = 0$



Define the following by filling in the blank

10. A(n) _____ is the collection of all points in the plane the difference of whose distances from two fixed points, called the foci, is a constant.
11. A(n) _____ is the collection of all points in the plane whose distances from one fixed point are the same.
12. A(n) _____ is the collection of all points in the plane the sum of whose distances from two fixed points, called the foci, is a constant. _____