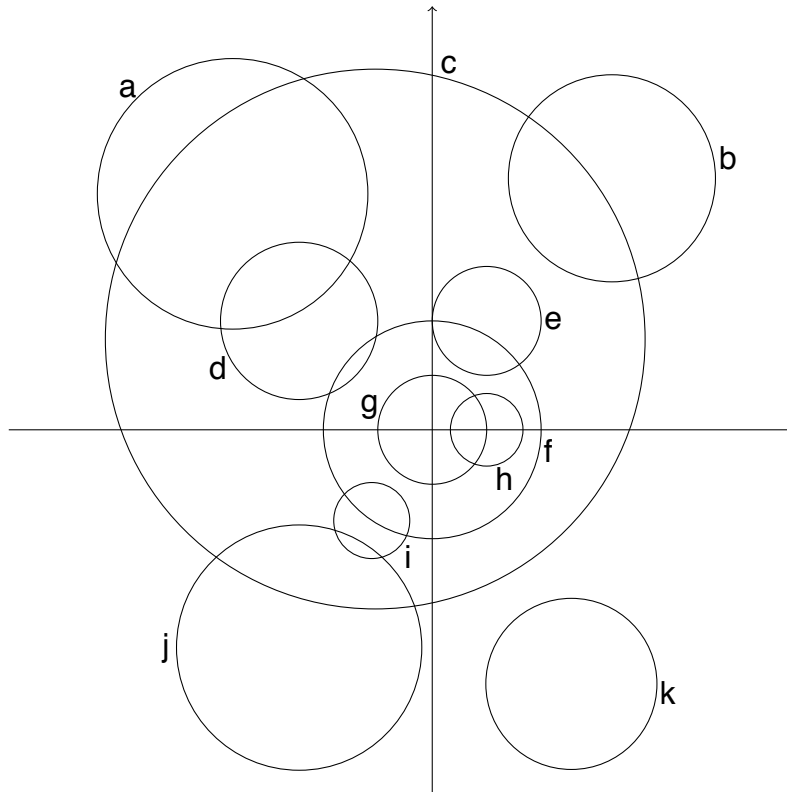


Teddy bear



We have thought of 13 circles. 11 of them are drawn accurately on the above graph. Here are the equations of 11 of the original 13 circles.

1. $(x + 10)^2 + (y + 15)^2 = 4\pi^2$
2. $x^2 + y^2 = 324$
3. $(x + 22)^2 + (y + 36)^2 = 411$
4. $(x + 3\pi)^2 + (y - 15)^2 = 1990$
5. $(x - 21\sqrt{2})^2 + (y - 24\sqrt{3})^2 = 131\sqrt{5}$
6. $x^2 + y^2 + 66x - 78y + 2110 = 0$
7. $x^2 + y^2 = 9$
8. $(x - 23)^2 + (y + 42)^2 = 200$
9. $x^2 + y^2 = 81$
10. $(x - 18)^2 + (y + 36)^2 = 1990$
11. $x^2 + y^2 - 18x + 45 = 0$

Can you match them up, find the two missing equations and draw the two missing circles on the graph?