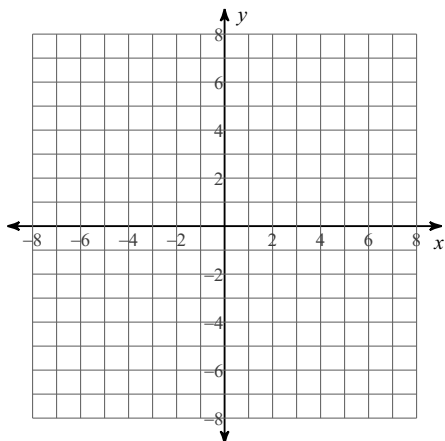


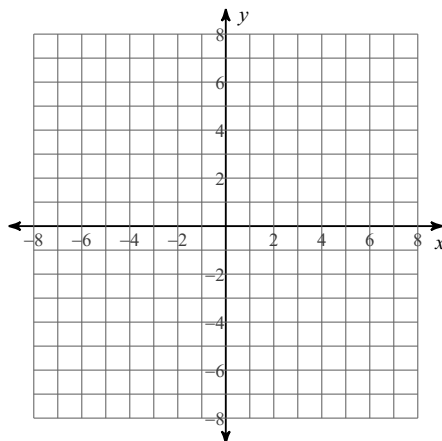
Circles

Identify the center and radius of each. Then sketch the graph.

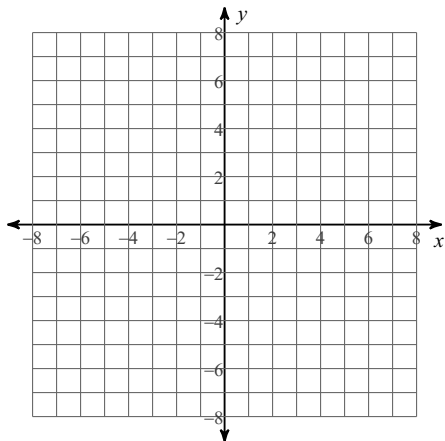
1) $(x + 1)^2 + (y + 3)^2 = 10$



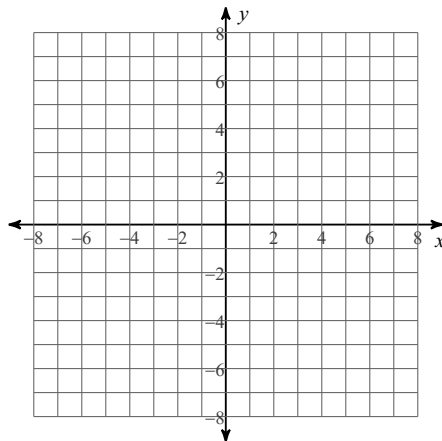
2) $(x + 4)^2 + y^2 = 2$



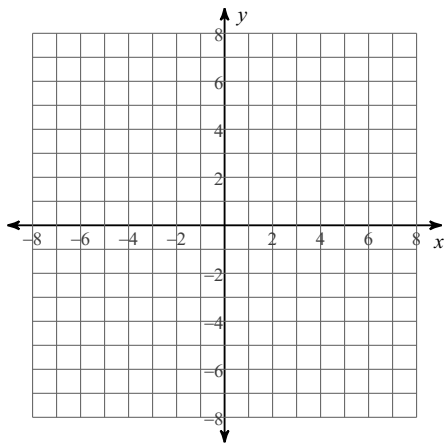
3) $(x + 2)^2 + (y - 4)^2 = 9$



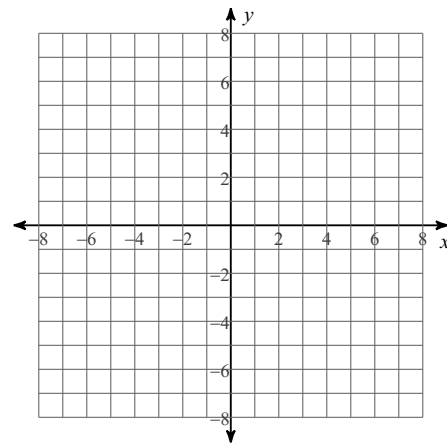
4) $(x + 4)^2 + (y - 1)^2 = 4$



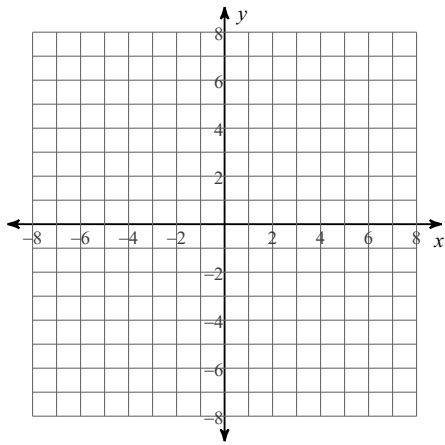
$$5) (x + 1)^2 + (y + 4)^2 = 5$$



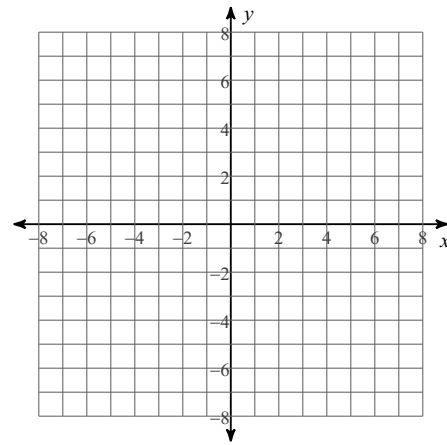
$$6) (x + 1)^2 + (y - 3)^2 = 16$$



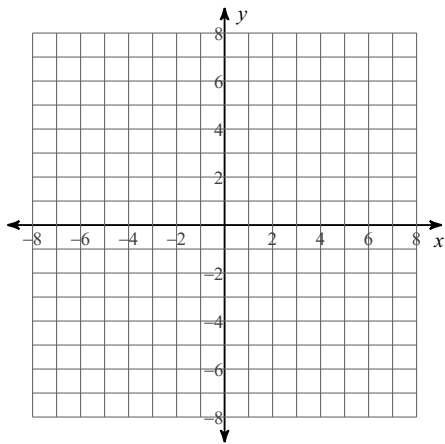
$$7) x^2 + y^2 + 6x - 2y + 1 = 0$$



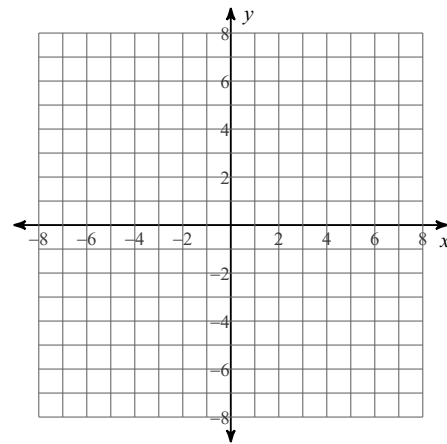
$$8) x^2 + y^2 - 6x + 8y + 24 = 0$$



$$9) x^2 + y^2 - 4x - 4y - 2 = 0$$

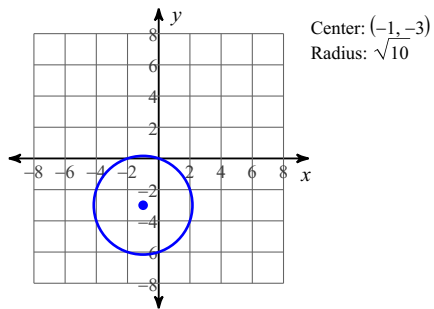


$$10) x^2 + y^2 - 2x + 4y + 1 = 0$$

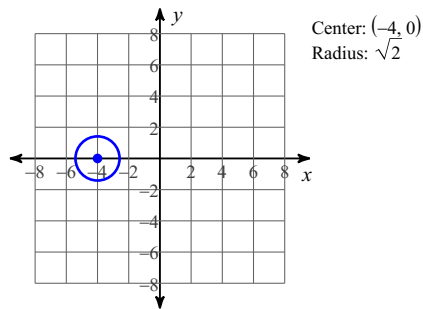


Answers to Circles (ID: 1)

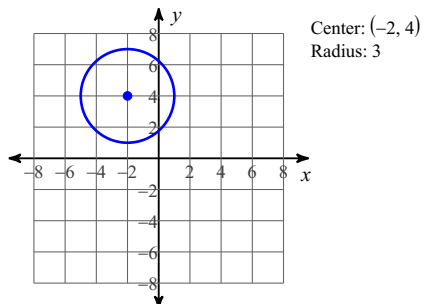
1)



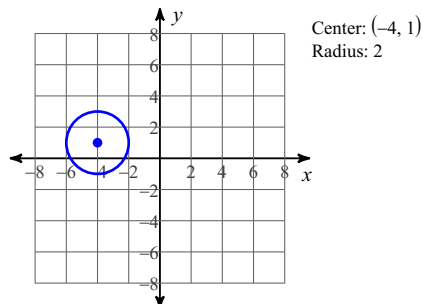
2)



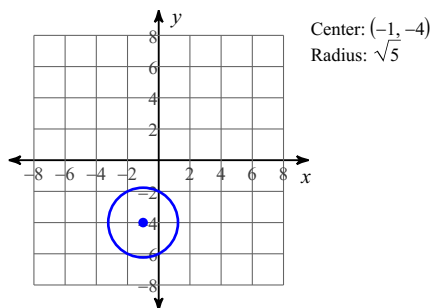
3)



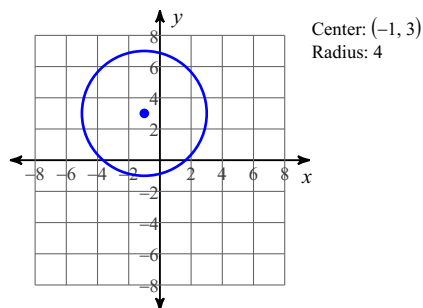
4)



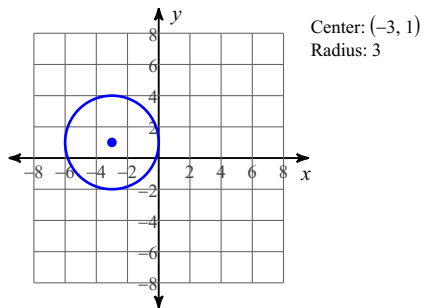
5)



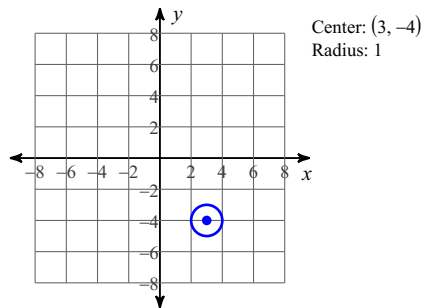
6)



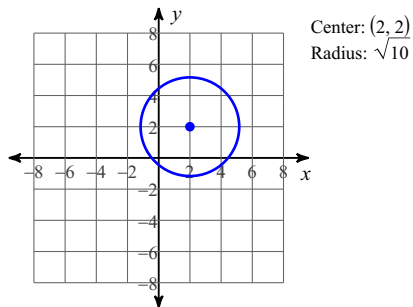
7)



8)



9)



10)

