Lesson 9.1 Homework - Circles

1. Write the equation of the circle using the given information
2. Center (3,-4); radius 1.5
3. Endpoints of a diameter (-2,-6), (4, 3)
4. Center (2,4); (-1,3) is a point on the circle
5. Passing through (8,2), (1,9), and (1,1)
6. Passing through (0,-1), (2,-3), (4,-1)
7. Passing through (-3,-2), (-2,-3), (-4,-3)
8. Center (7,-3); tangent to the y-axis
9. Find the center and radius of each circle
10. $x^{2}+y^{2}-2y-15=0$
11. $x^{2}+y^{2}-8x-6y+21=0$
12. $4x^{2}+4y^{2}-16x-9y-5=0$