Homework 10 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write the standard form of the ***equation*** of a circle given the following radius and center point (h,k).
   1. r=2; (h,k)=(0,0)
   2. r=3; (h,k)=(1,2)
   3. r=4; (h,k) = (-1,2)
   4. r=5.1; (h,k)=(3,4)
2. Rewrite the following in standard form and tell me the radius, r, and the center, (h,k).
3. **Graph** the following equations.
4. Solve the following inequalities.