Graphing Circles: procedure

- Put the equation of the circle into the standard form $(x - h)^2 + (y - k)^2 = r^2$

- Find the center (h, k) and the radius r using that standard form.

- Graph the center of the circle on the graph paper

- From the center, go up, down, right, and left by the amount r to find the four cardinal points on the circle

- Draw the graph of the circle as nicely as you can through those four points