Group members (2 to 4):

(1) Using the equation

$$Ax + By + C = x^2 + y^2,$$

find a circle passing through the points (1,7), (-1,3), and (0,0). After finding  $A,\,B,$  and C, put the circle's equation in the standard form

$$(x - c_x)^2 + (y - c_y)^2 = r^2.$$

(complete the squares.)