

- (a) Because its center is not at the origin, it is more easily described by its Cartesian equation,  $(x - 1)^2 + (y - 1)^2 = 4^2$ .
- (b) This circle is more easily given in polar coordinates:  $r = 1$ . The Cartesian equation is also simple:  $x^2 + y^2 = 1$ .