

HOMWORK: CIRCLES

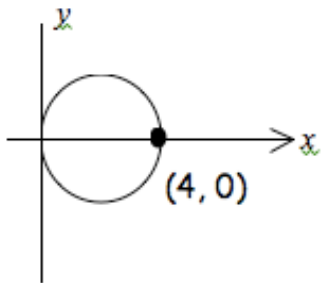
NAME: _____ DAY 1 DUE: _____

Write the standard form of the equation of the circle described.

1. $C(2, -7)$ $r = 3$

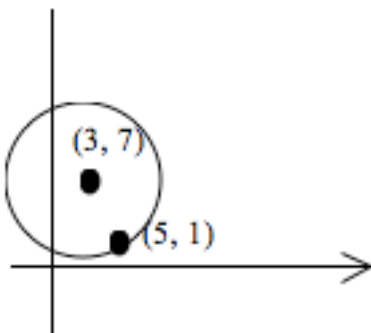
2. Center $(-5, 6)$ passing through $(1, 8)$

3.



Find the a) center b) radius c) general form of the circle.

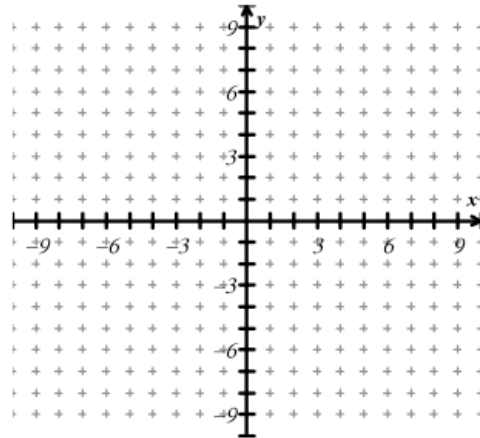
4.



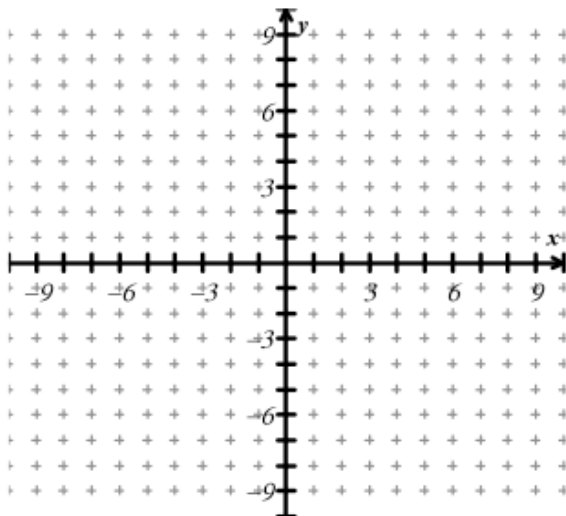
5. Endpoints of a diameter: $(1, 2)$ and $(7, -6)$

a) Find the center and radius b) graph c) find the intercepts, if any, of the graph

6. $3(x+1)^2 + 3(y-5)^2 = 27$



7. $x^2 + y^2 + 8x - 12y + 3 = 0$



8. $2x^2 + 2y^2 - 8x + 18y + 43 = 0$

