NCM3 Equations of Circles Match Game Name _____ A# _____

Radius Length	Center at (0, 2)	Center at (1, 2)	Center at (1, -2)	Center at (-1, 2)
5				
10				
$\sqrt{5}$				
$\sqrt{10}$				

Write each circle equation from below in the table with its corresponding center and radius.

A. $(x)^2 + (y-2)^2 + 5 = 10$	**B.** $(x+1)^2 + (y-2)^2 = 25$	**C.** $(x-1)^2 + (y+2)^2 = 10$	**D.** $x^2 + y^2 - 4y + 4 = 100$
E. $(x-1)^2 + (y-2)^2 = 25$	**F.** $x^2 + y^2 - 2x + 4y = 0$	**G.** $x^2 + y^2 - 2x - 4y - 95 = 0$	**H.** $x^2 + y^2 + 2x - 4y = 5$
I. $(x-1)^2 + (y+2)^2 = 25$	**J.** $(x)^2 + (y-2)^2 = 10$	**K.** $(x+1)^2 + (y-2)^2 = 100$	**L.** $(x-1)^2 + (y-2)^2 = 5$
M. $x^2 + y^2 - 2x - 4y - 5 = 0$	**N.** $(x-1)^2 + (y+2)^2 = 100$	**O.** $(x+1)^2 + (y-2)^2 = 5$	**P.** $x^2 + y^2 - 4y - 21 = 0$