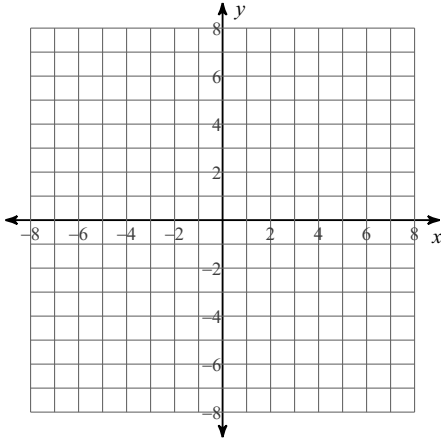


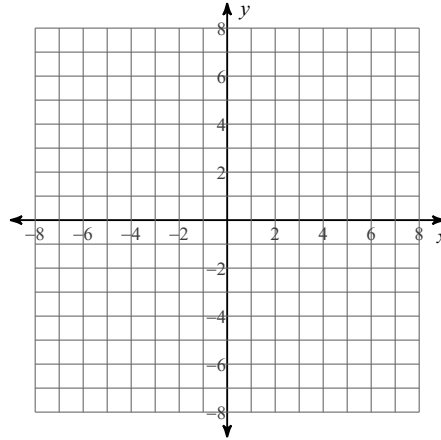
Circles Worksheet

Identify the center and radius of each. Then sketch the graph.

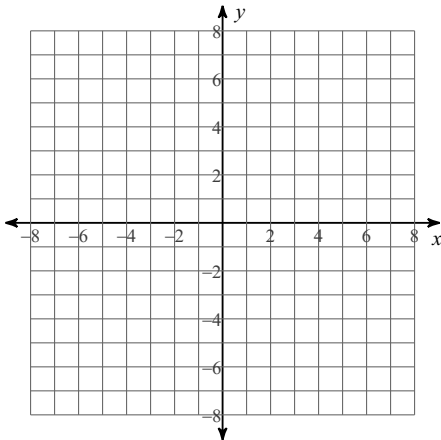
1) $(x - 4)^2 + (y + 2)^2 = 9$



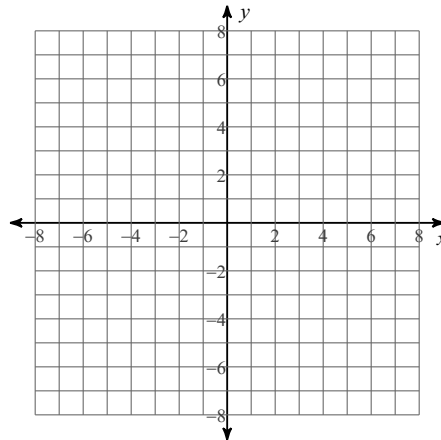
2) $(x - 1)^2 + (y + 1)^2 = 4$



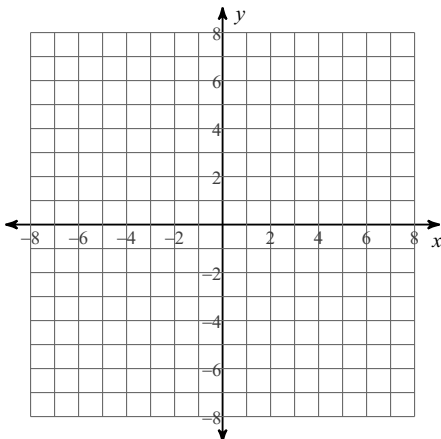
3) $x^2 + y^2 - 6x + 2y + 1 = 0$



4) $x^2 + y^2 - 4x + 2y - 8 = 0$



5) $x^2 + y^2 + 4x - 8y + 19 = 0$



6) $x^2 + y^2 + 6x + 5 = 0$

