Worksheet – Circles

Identify the center and radius of each circle

a.) \((x - 5)^2 + (y + 3)^2 = 9\)

b.) \(x^2 + y^2 + 4x - 8y - 5 = 0\)

Write the equation of the circle that satisfies the given conditions in standard form.

a.) Center (-1,3) passing through (2,-1)

b.) Center (-2,-3), radius \(\sqrt{6}\)