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## CP.4.5.1.a, Sauer3

Apply the Gauss–Newton Method to find the point  $(\bar{x}, \bar{y})$  for which the sum of the squared distance to the three circles below is minimized. Use initial vector  $(x_0, y_0) = (0, 0)$ .

Circles with centers (0,1), (1,1), (0,-1) and all radii 1.