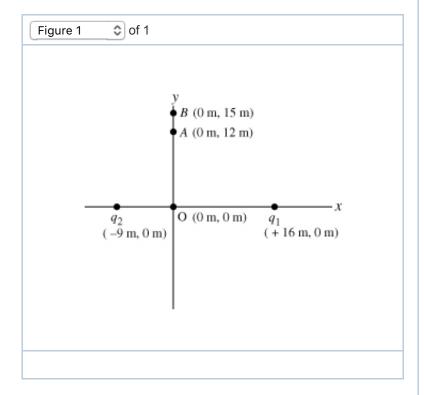
Electric Field due to Multiple Point Charges

Two point charges are placed on the x axis. (Figure 1) The first charge, q_1 = 8.00 $\rm nC$, is placed a distance 16.0 $\rm m$ from the origin along the positive x axis; the second charge, q_2 = 6.00 $\rm nC$, is placed a distance 9.00 $\rm m$ from the origin along the negative x axis.



Part A

Calculate the electric field at point A, located at co

Give the x and y components of the electric figures.

$$E_{\mathrm{A}x}, E_{\mathrm{A}y}$$
 = 0,0.300 N/C Submit Hints My Answers Give Up Re

Part B

An unknown additional charge q_3 is now placed ϵ Find the magnitude and sign of q_3 needed to mal

Express your answer in nanocoulombs to thre

