

Name \_\_\_\_\_

Do Now

Part III

Answer all 3 questions in this part. Each correct answer will receive 3 credits. Clearly indicate the necessary steps, including appropriate formula substitutions, diagrams, graphs, charts, etc. For all questions in this part, a correct numerical answer with no work shown will receive only 1 credit. All answers should be written in pen, except for graphs and drawings, which should be done in pencil. [9]

34 On the set of axes below, graph the equation  $y = x^2 + 2x - 8$ .

Using the graph, determine and state the roots of the equation  $x^2 + 2x - 8 = 0$ .

