

Name \_\_\_\_\_

Date \_\_\_\_\_

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. [9]

34 Given:  $A = \{18, 6, -3, -12\}$

Determine all elements of set  $A$  that are in the solution of the inequality  $\frac{2}{3}x + 3 < -2x - 7$ .