**Inequalities (H)**

Pre-Intervention Assessment

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Question** | **Objective** | **RAG** |
|  1 | Represent linear inequalities graphically |  |
|  2 | Solve quadratic inequalities |  |

**1.** On the grid show, by shading, the region that satisfies all three of the

inequalities

*x* + *y* < 7                     *y* < 2*x*                     *y* > 3

Label the region **R**.



**2**. Solve the inequality x² ≤ 4(2x + 5)

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[Glue here]