**Inequalities (F)**

Pre-Intervention Assessment

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

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

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

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| --- | --- | --- |
| **Question** | **Objective** | **RAG** |
|  1 | Represent a set of solutions on a number line |  |
|  2 | Solve linear inequalities |  |
|  3 | Represent linear inequalities graphically |   |

**1.** (a) *n* is an integer.

–1 ≤ *n* < 4

     List the possible values of *n*.

…........................................................

(b)



Write down the inequality shown in the diagram.

…........................................................

**2**. Solve 4 < *x* – 2 ≤ 7

 ...........................................................

**3**. 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**.



[Glue here]