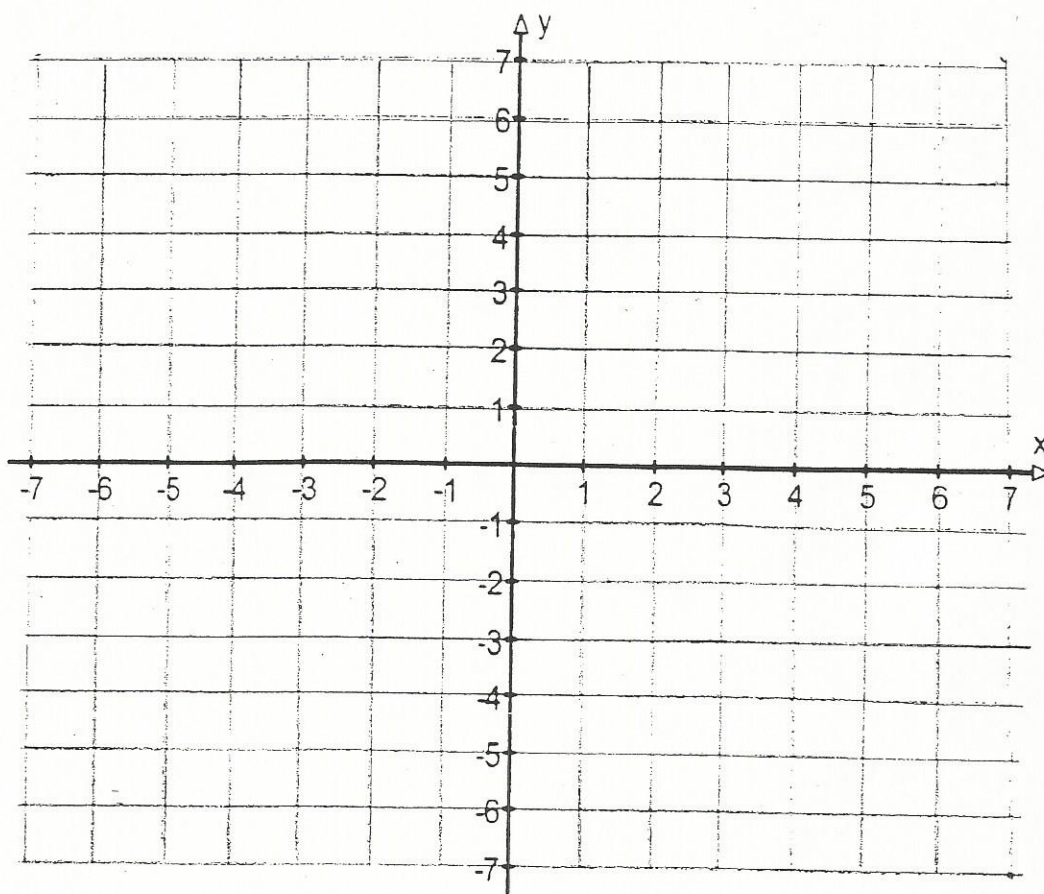


1. Graph the following relation in a Cartesian plane:

$$S = \left\{ (x, y) \in \mathbb{R} \times \mathbb{R} \mid -\frac{y}{2} > 1 - \frac{y}{4} \right\}$$

Then determine its domain and range.

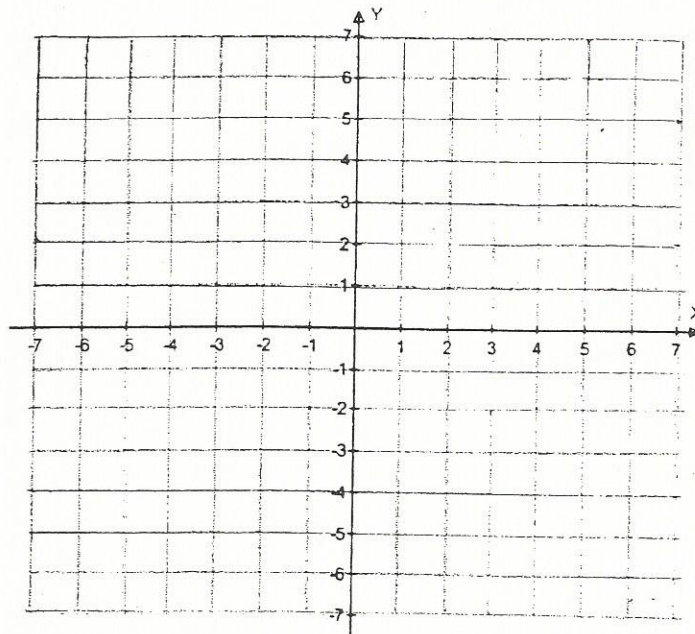


Domain: _____

Range: _____

2. Graph the following relation in a Cartesian plane:

$$R = \left\{ (x, y) \in \mathbb{R} \times \mathbb{R} \mid \frac{x}{6} - 1 > \frac{-y}{4} \right\}$$



Then determine its domain and range.

Domain: _____

Range: _____