Name: _____ Date: _____

There are 3 ways to represent a line for graphing

1.

2.

3.

Example 1 Graph the following lines on the grid provided.

$y = 3x + 2$ $y = \frac{1}{3}x + 2$ $y = -3x - 4$ $y = -\frac{1}{3}x - 4$

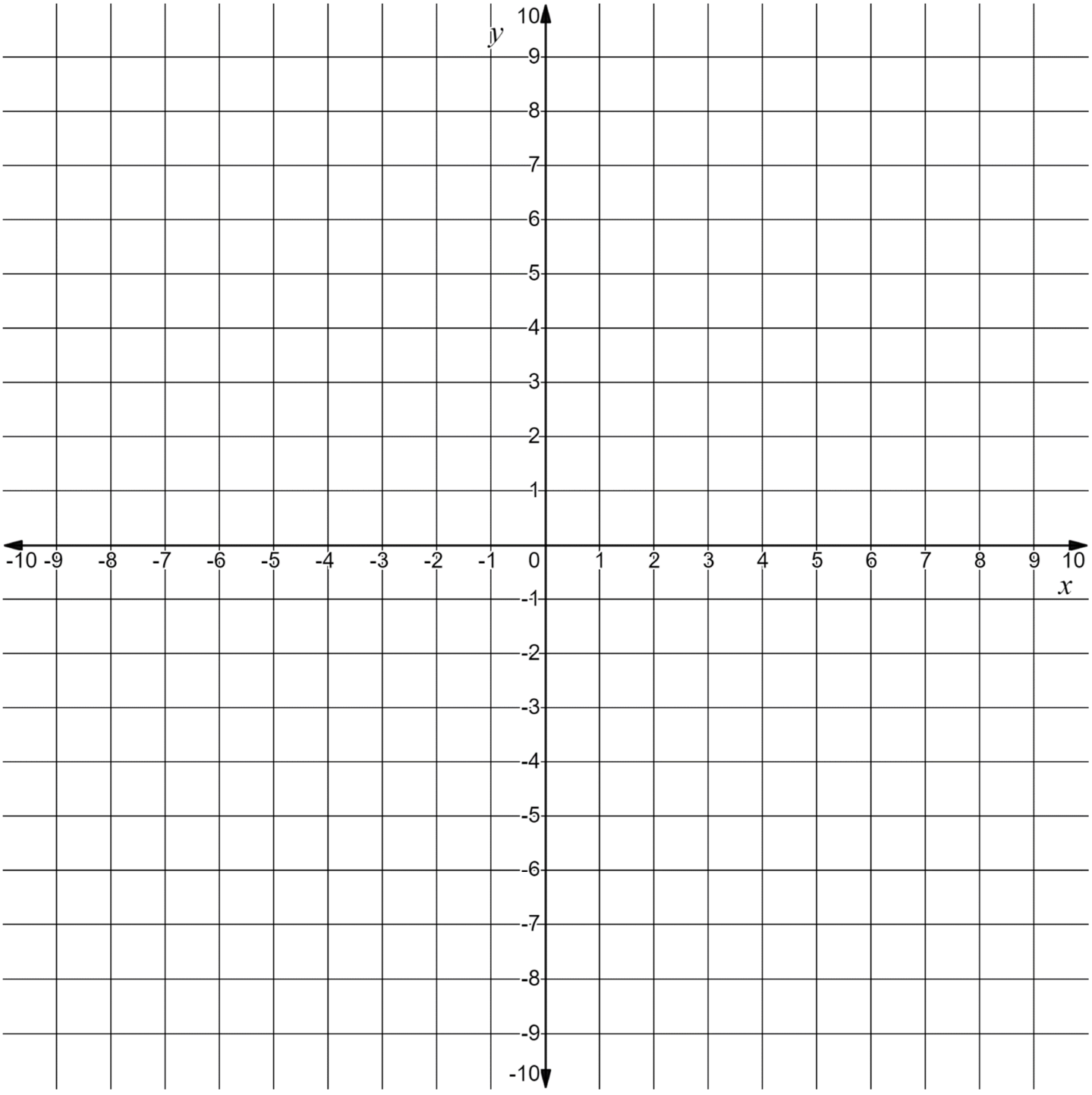
Example 3 Graph the following lines on the grid provided.

$y - 2 = \frac{1}{2}(x - 6)$ $y + 2 = \frac{1}{2}(x + 6)$ $y - 2 = -2(x - 6)$ $y + 2 = -2(x + 6)$

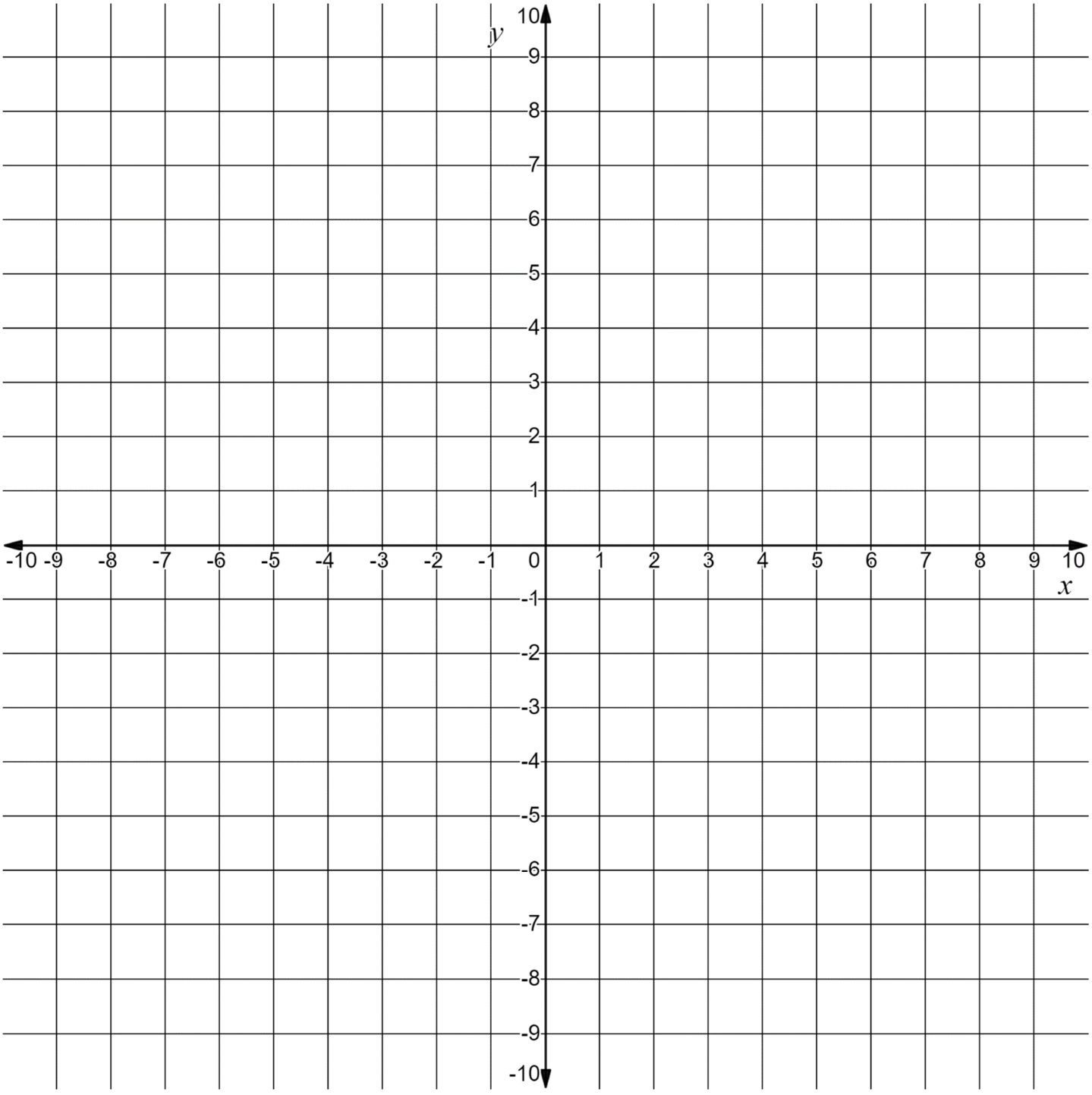
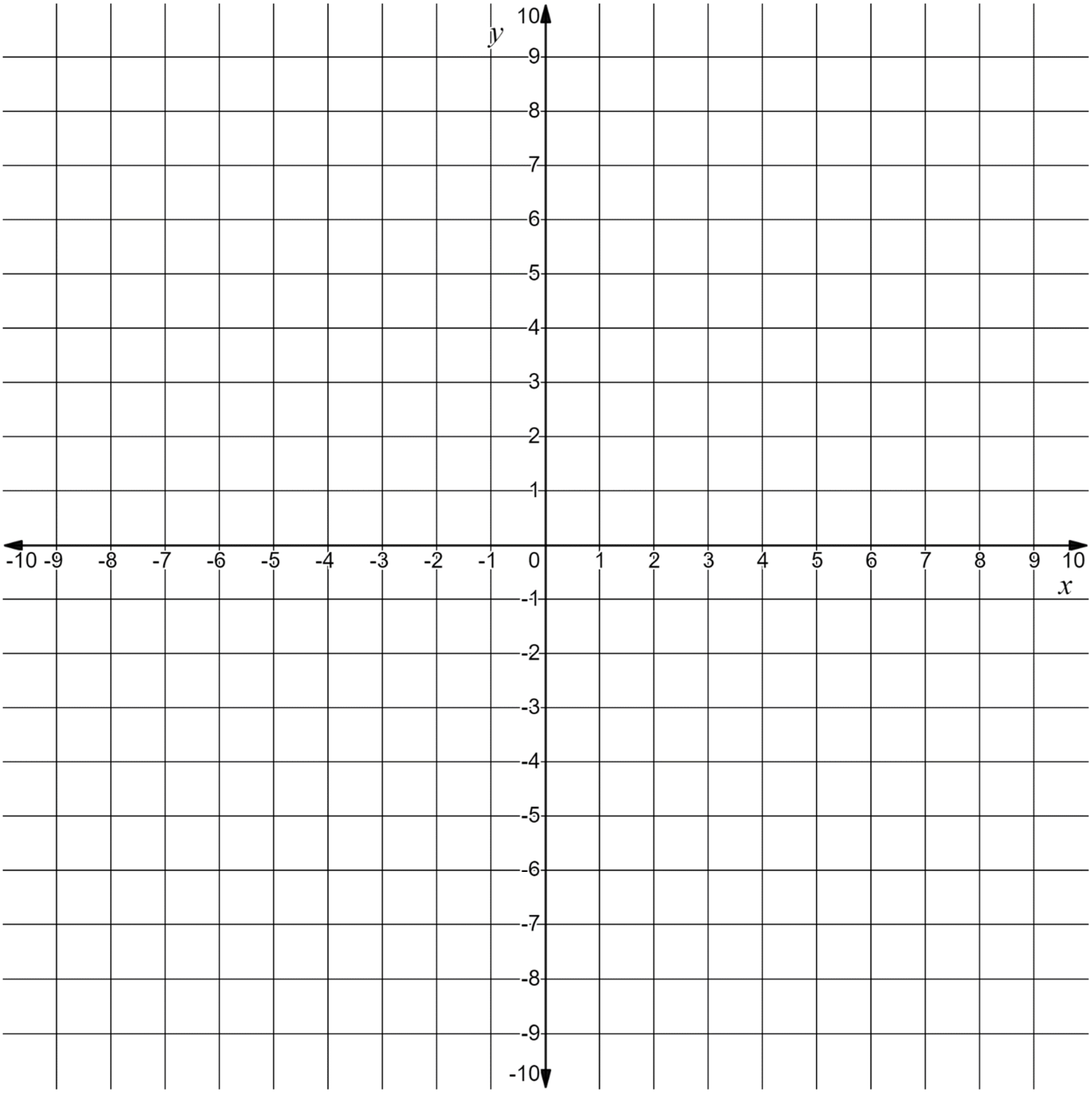
Example 4 Graph the following lines on the grid provided.

$y - 2 = 0$ $y = -2$ $x + 3 = 0$ $x = 3$

Example _____



Example _____



Example _____