Do Now: Graphing systems

1. Graph the two lines after filling in the values in the blanks.

   Label both lines and the solution to the system, the intersection, as a coordinate pair.

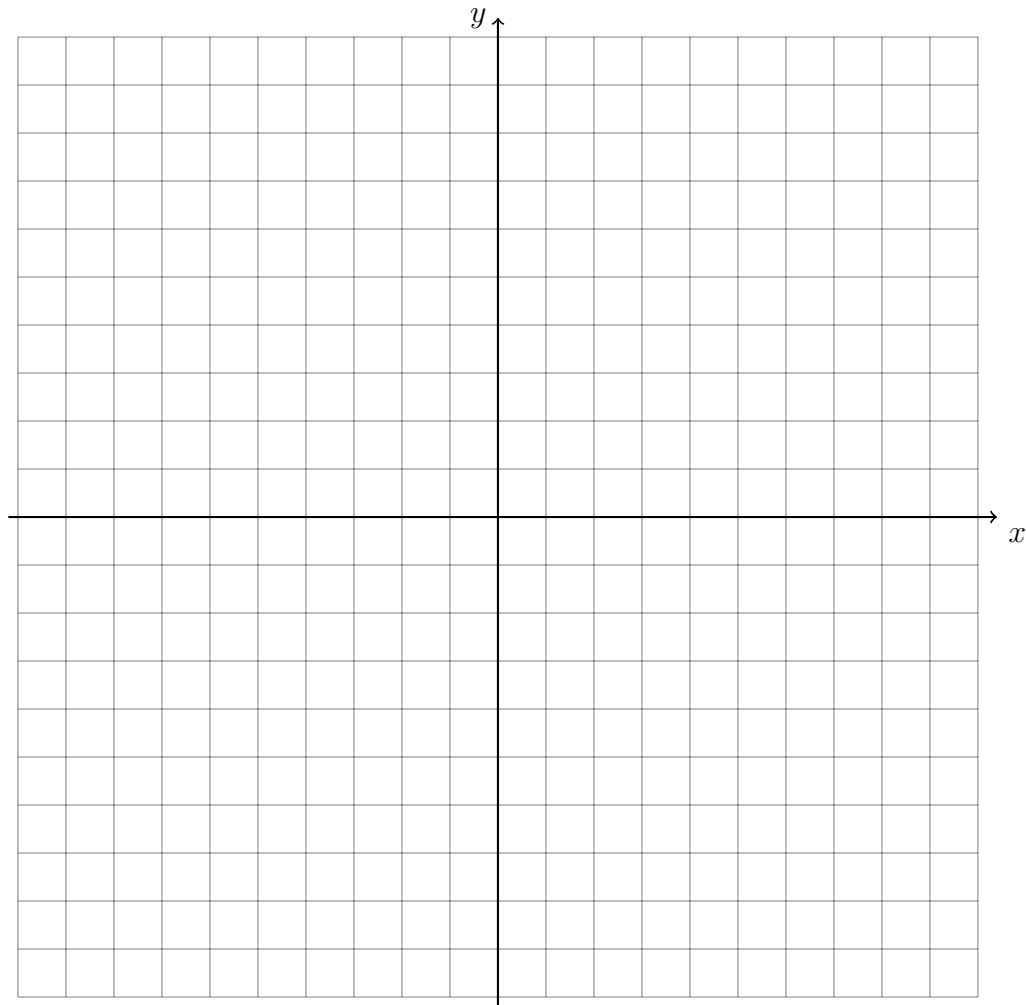 $y = -\frac{1}{4}x - 3$ $y = \frac{3}{2}x + 4$

   (a) y-intercept = _____   (a) y-intercept = _____

   (b) Slope   = _____   (b) Slope   = _____

2. Is the sum of 4 and $\sqrt{3}$ rational or irrational. Explain your answer.