



## Problem Solver



Is the point  $(1,9)$  is on the line with equation  $x + y = 10$ ? How can you tell?

Is the point  $(1,9)$  is on the line with equation  $3x + y = 12$ ? How can you tell?

If we graphed both lines, would the point of intersection be  $(1,9)$ ? Explain your reasoning.