## Practice 4.1

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Solve each system by graphing.

$$
m=\frac{3}{2} \quad b=-3
$$

1) $y=-\frac{1}{2} x-3 \quad \quad \quad=\frac{-1}{2} \quad b=-3$
$y=-\frac{1}{2} x-3$
$x=-4$
$\sim$ verticel line


$(1,3)$



No solution
) Is $(-9,-1)$ a solution of the following linearo Way! 6) Is $(9,9)$ a solution of the following lineares system of equations?: system of equations?:
$8 x+9 y=-81$
$x-3 y=-12$
$17 x-9 y=72$
$x-9 y=-72$


$(5,-5)$
$(-1,-3)$
12) $3 x-8 y=72 \rightarrow y=\frac{3}{8} x-9$
12) $\begin{aligned} & 3 x-8 y=72 \\ & 7 x+8 y=8 \\ & 7\end{aligned} \rightarrow y=\frac{-7}{8} x+1$

$(8,-6)$
13. (-67, -46) 14. Infinitely Many Solutions (Identity)
15. $(10,-21) \quad$ 16. $(-0.75,0.5)$

