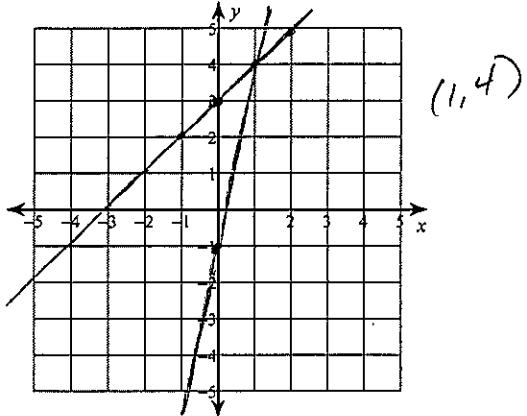


Homework 15.2

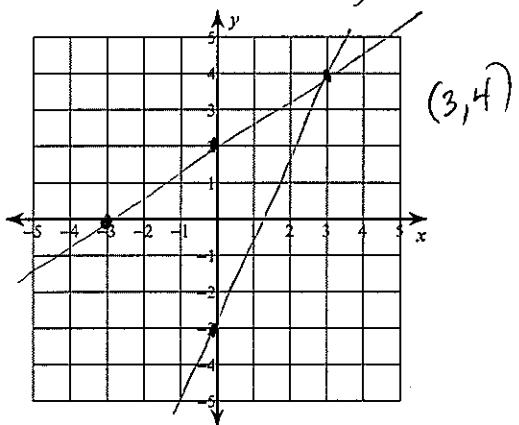
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Solve each system by graphing.

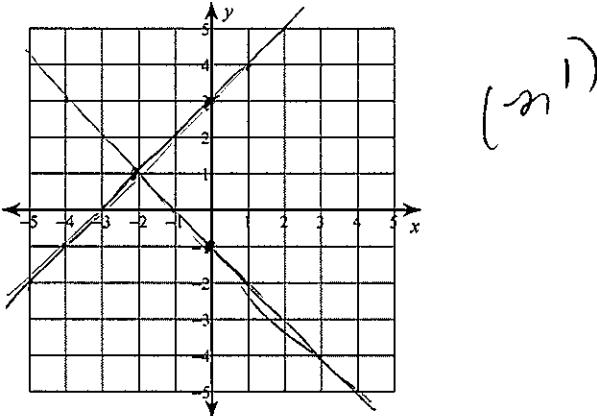
$$\begin{aligned} 1) \quad & y = x + 3 \quad \textcircled{1} \quad \textcircled{1} \quad m = 1 \quad b = 3 \\ & y = 5x - 1 \quad \textcircled{2} \quad \textcircled{2} \quad m = 5 \quad b = -1 \end{aligned}$$



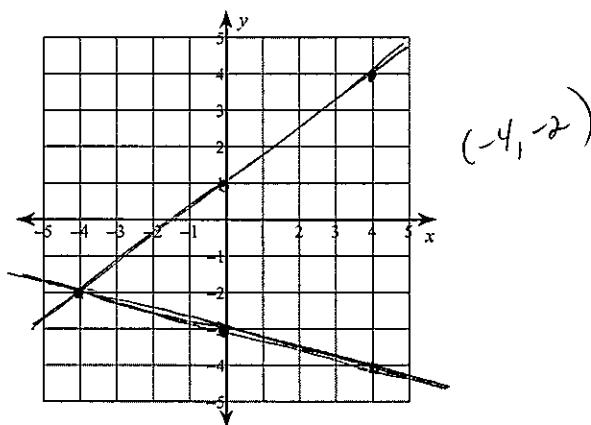
$$\begin{aligned} 3) \quad & y = \frac{7}{3}x - 3 \quad \textcircled{1} \quad m = \frac{7}{3} \quad b = -3 \\ & y = \frac{2}{3}x + 2 \quad \textcircled{2} \quad m = \frac{2}{3} \quad b = 2 \end{aligned}$$



$$\begin{aligned} 2) \quad & y = x + 3 \quad \textcircled{1} \quad \textcircled{1} \quad m = 1 \quad b = 3 \\ & y = -x - 1 \quad \textcircled{2} \quad \textcircled{2} \quad m = -1 \quad b = -1 \end{aligned}$$

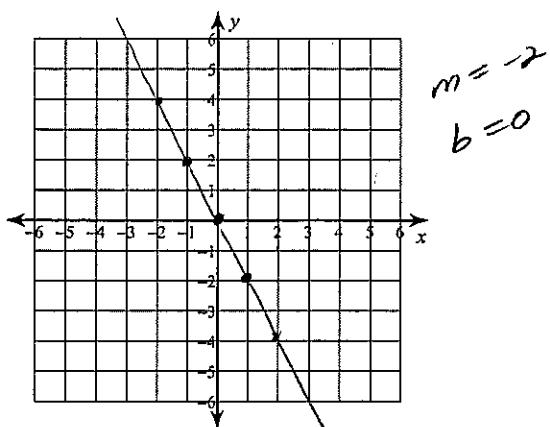


$$\begin{aligned} 4) \quad & y = \frac{3}{4}x + 1 \quad \textcircled{1} \quad \textcircled{1} \quad m = \frac{3}{4} \quad b = 1 \\ & y = -\frac{1}{4}x - 3 \quad \textcircled{2} \quad \textcircled{2} \quad m = -\frac{1}{4} \quad b = -3 \end{aligned}$$

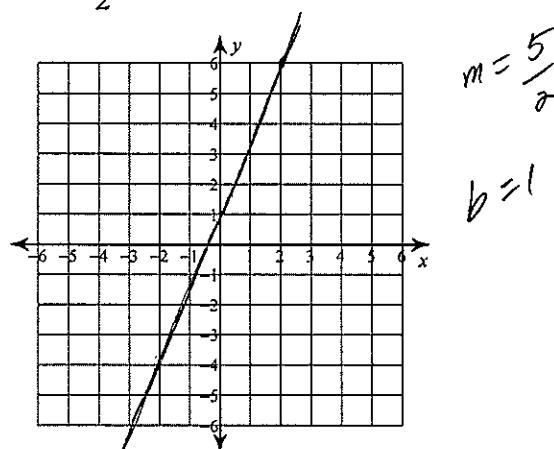


Sketch the graph of each line.

5) $y = -2x$



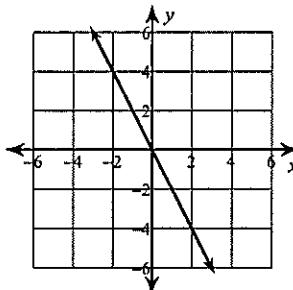
6) $y = \frac{5}{2}x + 1$



Answers to Homework 15.2

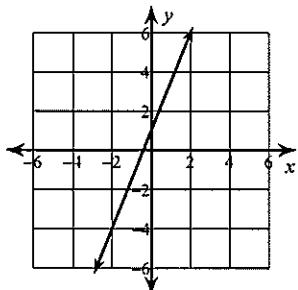
1) $(1, 4)$

5)



2) $(-2, 1)$

6)



3) $(3, 4)$

4) $(-4, -2)$