

Ch. 13 - Board PROBLEMS

GRAPH.

$$1) y \geq -2x + 3$$

$$2) 2x + 5y \leq -20$$

$$3) -5x - y < 1$$

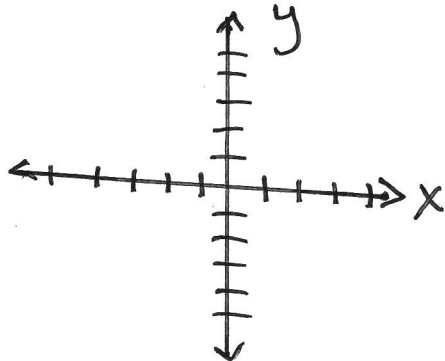
4) ONE FUNNY JOKE!

NOTES Ch. 13

FIND THE SOLUTION.

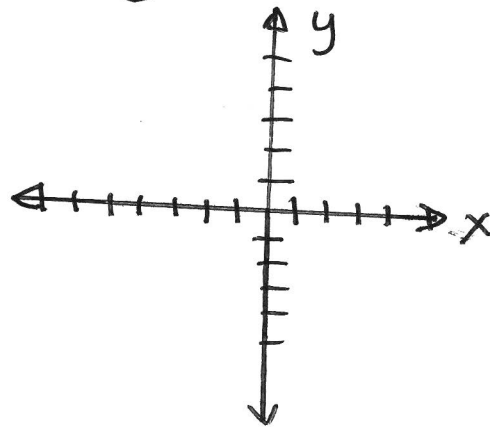
$$1) y = \frac{3}{4}x - 1$$

$$x = -4$$



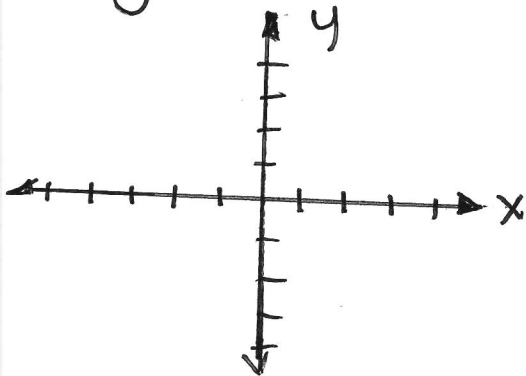
$$2) y = \frac{1}{2}x + 2$$

$$y = 3x - 3$$



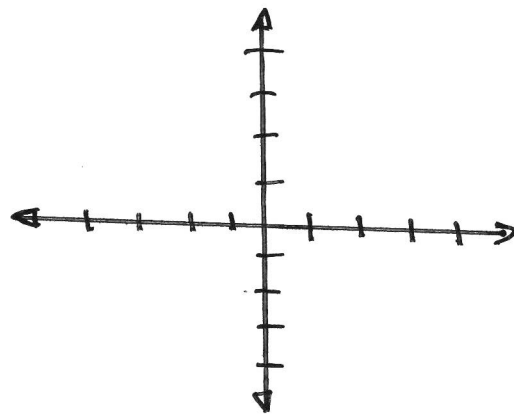
$$3) y = \frac{5}{4}x - 2$$

$$y = \frac{5}{4}x - 1$$

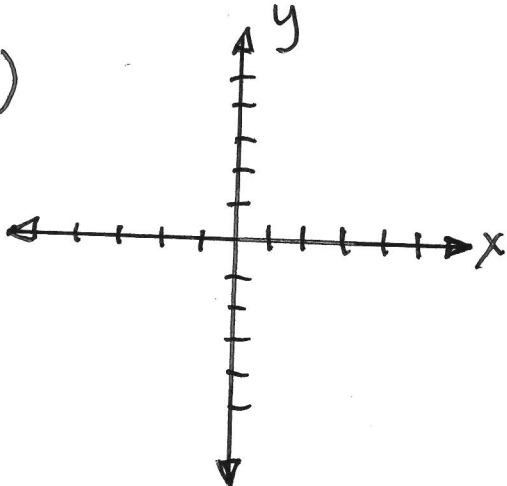


$$4) y = \frac{1}{3}x + 2$$

$$y = -x - 2$$



5)



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

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

LESSON PRACTICE

Follow the directions for each graph.
Numbers 1–3 are done for you.

1. Draw line a : $Y = 1/2 X + 3/2$.

For problems where a point is an improper fraction, it is easier to convert to a mixed number, in this case $1 \frac{1}{2}$. Place the point as accurately as you can; it doesn't need to be exact.

2. Draw line b : $Y = -1/2 X + 5/2$.

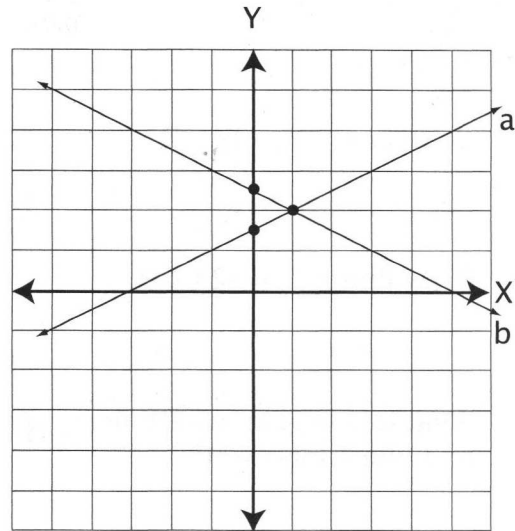
3. What is the point where line a and line b intersect?

(1, 2)

4. Draw line c : $Y = -2X + 2$.

5. Draw line d : $Y = 1/3 X - 5$.

6. What is the point where line c and line d intersect?



7. Draw line e : $Y = -2X - 4$.

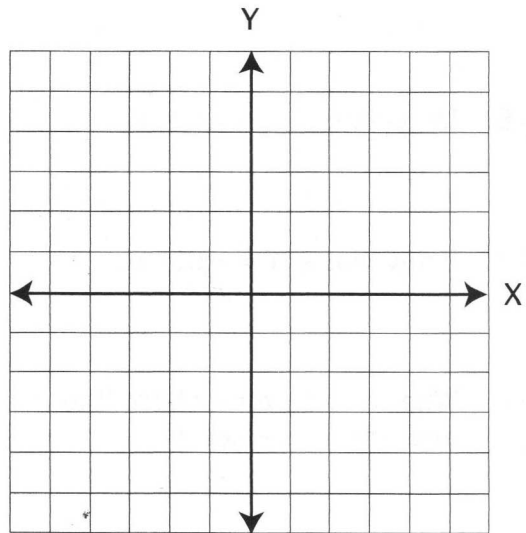
8. Draw line f : $Y = 1/3 X + 3$.

9. What is the point where line e and line f intersect?

10. Draw line g : $Y = -1/3 X + 2$.

11. Draw line h : $Y = 2X - 5$.

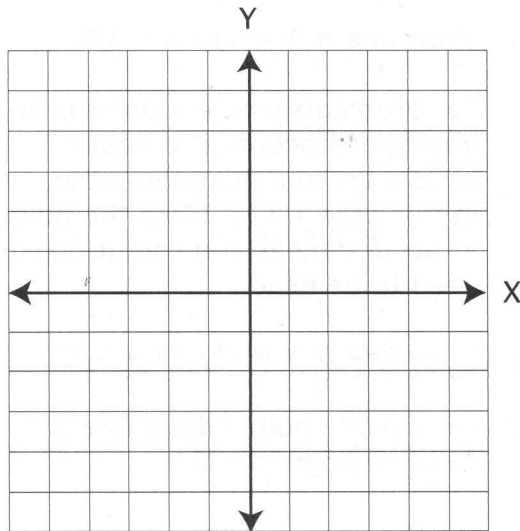
12. What is the point where line g and line h intersect?



13. Draw line j : $Y = 3X - 2$.

14. Draw line k : $Y = -2X + 3$.

15. What is the point where line j and line k intersect?



16. Draw line r : $Y = 7X + 4$.

17. Draw line s : $Y = -3X - 6$.

18. What is the point where line r and line s intersect?

