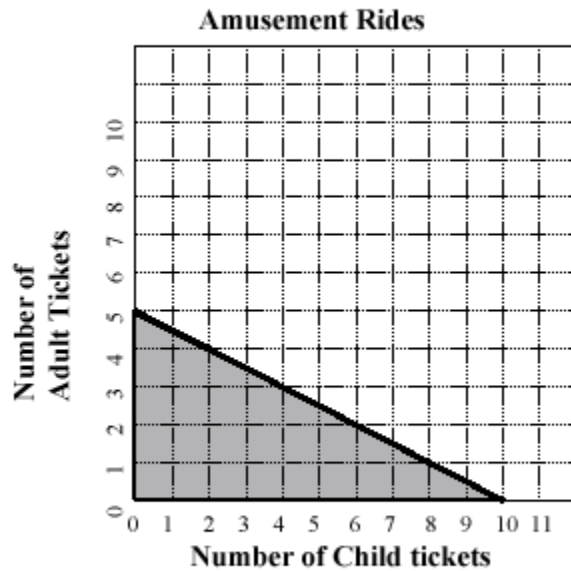


Name _____

Date _____ Pd. _____

Exit Card: Graphing Linear Inequalities Day 3

Tom and his son can spend no more than \$20 at an amusement park. Child tickets are \$2 each, and Adult tickets are \$4 each. The graph below shows the possible number of adult and child tickets that can be purchased.



Which of these is a combination of child and adult ride tickets that can be purchased?

- | | |
|-------------------------------|-------------------------------|
| F. 7 child and 2 adult | G. 1 child and 5 adult |
| H. 3 child and 3 adult | J. 9 child and 1 adult |

Name _____

Date _____ Pd. _____

Homework: Pages 356 – 357 (20 – 23, 31, 42 – 44, 47, 48)

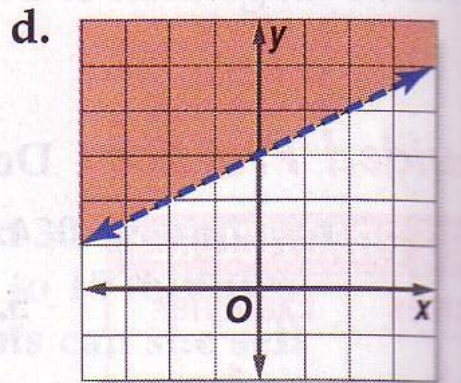
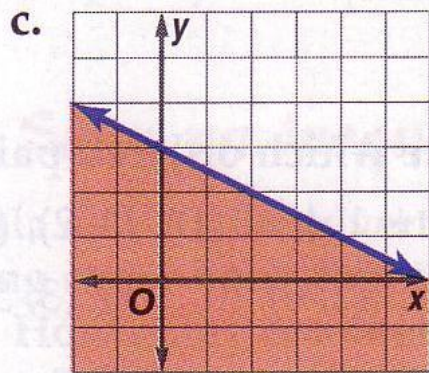
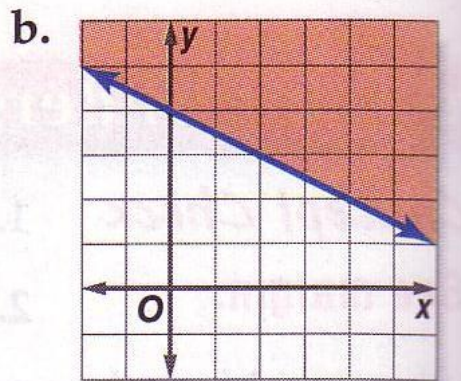
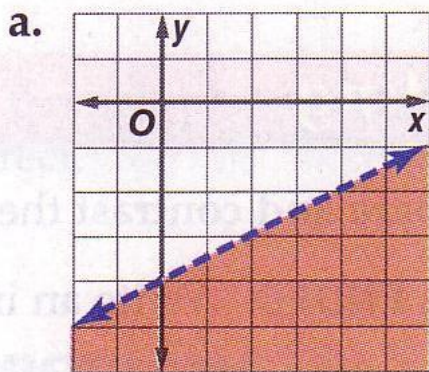
Match the inequality with its graph

20. $2y + x \leq 6$

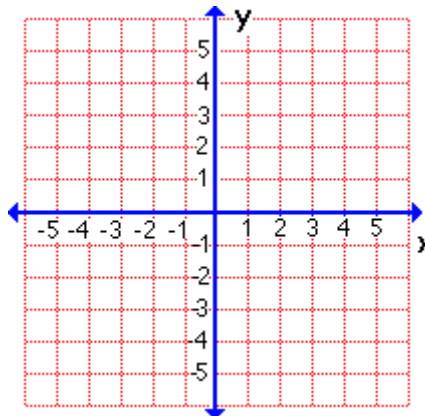
21. $\frac{1}{2}x - y > 4$

22. $y > 3 + \frac{1}{2}x$

23. $4y + 2x \geq 16$



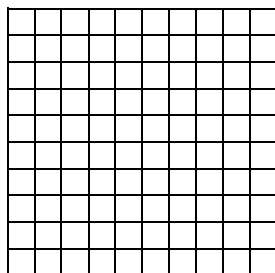
31. Graph $6x + 3y > 9$



Tickets for the fall dance are \$5 per person or \$8 for couples. In order to cover expenses, at least \$1200 worth of tickets must be sold.

42. Write an inequality that represents this situation.

43. Graph the inequality.



44. If 100 single tickets and 125 couple tickets are sold, will the committee cover its expenses?

47. Which ordered pair is *not* a solution of $y - 2x < -5$?

A (2, -2)

B (-1, -8)

C (4, 1)

D (5, 6)

48. Which inequality is represented by the graph?

A $2x + y < 1$

B $2x + y > 1$

C $2x + y \leq 1$

D $2x + y \leq 1$

